

Convert to WI 8/2/75

Scout Report sent out
Noted in the NID File
Location map pinned
Approval or Disapproval Letter
Date Completed, P. & A, or
operations suspended
Pin changed on location map
Affidavit and Record of A & P
Water Shut-Off Test
Gas-Oil Ratio Test
Well Log Filed

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7-13-64 Converted to Water Inspection Well

FILE NOTATIONS

Entered in NID File ☒
Entered on G-3 Sheet ☒
Location Map Pinned ☒
Card Indexed ☒
IV/R to State or Fee Land ☐

Checked by Chief ☒
Copy NID to Field Office ☒
Approval Letter ☒
Disapproval Letter ☐

LOGGING DATA

Date Well Completed 12-9-58

CW ☒ WW ☐ TA ☐
CW ☐ CC ☐ PA ☐

Location Inspected ☐
Bottle Used ☐
State of Fee Land ☐

LOGS FILED

Driller's Log 2-24-59

Electric Logs (No.) 3

E ☐ I ☐ E-I ☒ GR ☐ GR-N ☐ Micro ☒
Lat ☐ Mi-L ☐ Sonic ☐ Others Radiation

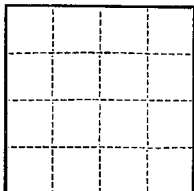
(SUBMIT IN TRIPLICATE)

Indian Agency **Navajo**

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee **Tribal**

Lease No. **14-20-603-353**



SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Cortez, Colorado **October 6,** 19 **58**

Desert "A"

Well No. **15** is located **660** ft. from **[N]** line and **1860** ft. from **[W]** line of sec. **19**

NE NW Sec. 19
(1/4 Sec. and Sec. No.)

41S
(Twp.)

24E
(Range)

31M
(Meridian)

Ratherford
(Field)

San Juan County
(County or Subdivision)

Utah
(State or Territory)

The elevation of the **Ungraded ground** above sea level is **4714.7** ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Drill 17-1/2" hole to approximately 160', set 160' of 13-3/8" conductor pipe and cement to surface. Drill 11" hole to approximately 1600', set 9-5/8" casing and cement to surface. Drill 7-7/8" hole to total depth of approximately 5700 ft., run 5-1/2" casing and cement with approximately 250 sq. cement. Complete in Paradox formation.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **Phillips Petroleum Company**

Address **P. O. Box 548**

Cortez, Colorado

By **C. M. Boles**
C. M. Boles
Title **District Superintendent**

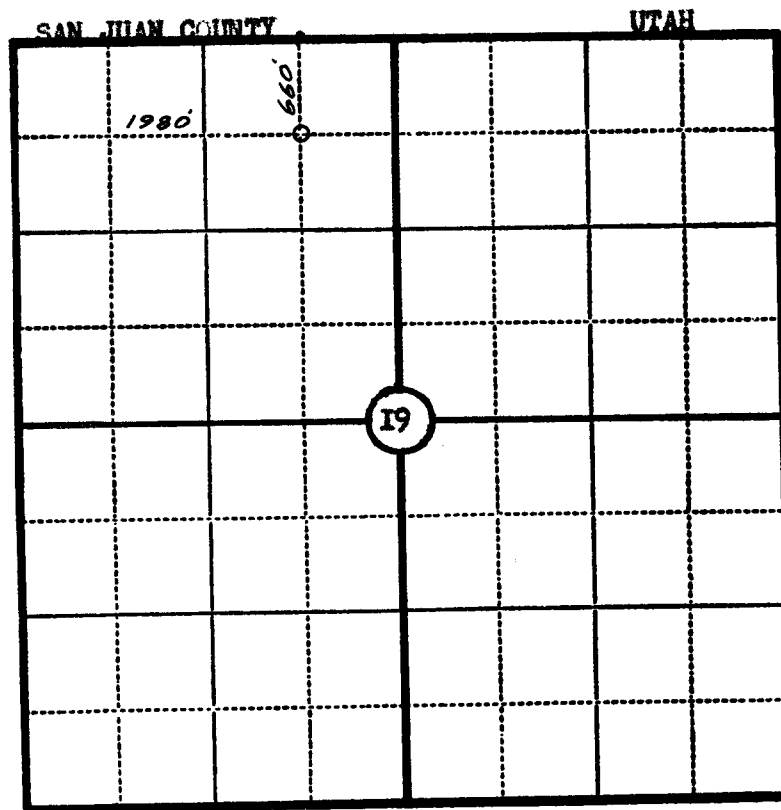
Company PHILLIPS PETROLEUM COMPANY

Lease DESERT 'A' Well No. 15

Sec. 19, T41 SOUTH, R. 24 EAST S.L.M.

Location 660 feet from the NORTH line and
1860 feet from the WEST line.

Elevation 4714.7 UNgraded Ground



Scale—4 inches equal 1 mile.

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Seal:

James P. Lease
James P. Lease
Registered Land Surveyor.

UTAH Registration No. 1472

Surveyed 13 December, 19 57

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.

57

October 7, 1958

Phillips Petroleum Company
P. O. Box 548
Cortez, Colorado

Attention: C. M. Boles, District Superintendent

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Desert A-15, which is to be located 660 feet from the north line and 1860 feet from the west line of Section 19, Township 41 South, Range 24 East, SLBM, San Juan County, Utah.

Please be advised that insofar as this office is concerned, approval to drill said well is hereby granted.

This approval terminates within 90 days if the above mentioned well is not spudded in within said period.

Yours very truly,

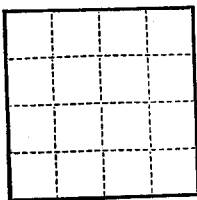
OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT
SECRETARY

CBF:co

cc; Phil McGrath
USGS, Farmington,
New Mexico

35



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-B-359.2
Approval expires 12-31-55.

Navajo

Indian Agency

Tribal

Allottee

Lease No. **14-20-603-353**

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	X
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Cortez, Colorado Dec. 15, 19 **58**

Desert "A"
Well No. **15** is located **660** ft. from **[N]** line and **1800** ft. from **[W]** line of sec. **19**

NE NW Sec. 19
(1/4 Sec. and Sec. No.)

41S
(Twp.)

24E
(Range)

S.L.M.
(Meridian)

Ratherford
(Field)

San Juan County
(County or Subdivision)

Utah
(State or Territory)

The elevation of the ~~water level~~ **ungraded ground** above sea level is **4714.7** ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Spudded 11 AM 10/22/58. Drilled 11" hole to 176', reamed to 17-1/2" hole to 176'. Set and cemented 13-3/8" 27.1# casing at 176' with 175 sx regular cement, 2% calcium chloride. Pumped plug to 146' at 9:48 PM 10/22/58. Cement circulated. WOC 24 hrs. Tested casing with 250# for 30 minutes. O.K.

Drilled 11" hole to 1446'. Set and cemented 8-5/8" 24# casing at 1446.60' ME with 330 sx regular cement, 126 sx Diacel "D", 660# calcium chloride, 165# floccs, 660# tuff plug, followed with 125 sx neat cement on bottom. Pumped plug to 1145' at 11:45 PM 10/24/58. Cement circulated. Slowed down displacement, hole bridged. Max. press. 2000#. Left 301' cement in pipe. Recemented to surface down annulus w/35 sx reg cement. WOC 24 hrs, tested casing w/750# for 30 min - o.k.

Drilled 7-7/8" hole to 5655' at 1:30 PM 11/10/58. Ran Schlumberger Induction Electric (cont'd)

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced on back)

Company **Phillips Petroleum Company**

Address **Box 548**

Cortez, Colorado

By

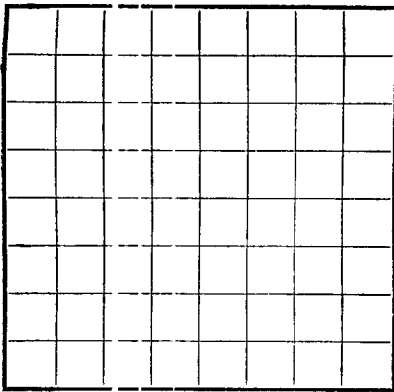
C. M. Boles

Title

District Superintendent

and Micro caliper logs to 5655'. Drilled 7-7/8" hole to 5666' at 2AM 11/11/58. Set and cemented 5-1/2" OD 14# & 15.5# casing at 5662.98' RKB with 132 sx neat regular cement, 100 sx Dineel "D", 496# calcium chloride. Pumped plug to 5632' at 11 AM 11/11/58. WOC 24 hrs, tested casing with 750# for 30 minutes - o.k.

Dec 17 1958

U. S. LAND OFFICE Navajo
SERIAL NUMBER 14-20-603-353
LEASE OR PERMIT TO PROSPECT Tribal

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Phillips Petroleum Company Address Box 548, Cortez, Colorado
Lessor or Tract Desert "A" Field Rutherford State Utah
Well No. 15 Sec. 19 T. 41S R. 24E Meridian 31M County San Juan
Location 567 ft. N of N Line and 1860 ft. E of N Line of Sec. 19 Elevation 4728
(Berthel floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed D. J. [Signature]Date February 18, 1959 Title District Superintendent

The summary on this page is for the condition of the well at above date.

Commenced drilling October 22, 1958 Finished drilling November 11, 1958

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from _____ to _____ No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

Water flow recorded in Navajo and Sangre formation of Jurassic Age

No. 1, from _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
13-3/8	27.1	8 rd	Armco	162	Baker		5460	5480	Oil rod
8-5/8	24.4	8 rd	J-55	144	Baker		5486	5514	" "
5-1/2	13.5	8 rd	J-55	164	Baker		5483	5595	" "
5-1/2	14	8 rd	J-55	5510	Baker		5602	5612	" "
							5616	5620	" "

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8	176	175	Circ.		
8-5/8	1447	800 cu ft	Circ (35 additional ex down annulus)		
5-1/2	5613	550 cu ft	Halliburton		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material _____ Size _____

SHOOTING RECORD

FOLD MARK

13-3/8	176	175	Circ.		
8-5/8	1447	800 cu. ft.	Circ (35 additional ex. down annulus)		
5-1/2	5663	550 cu. ft.	Halliburton		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from 0 feet to 5666 feet, and from _____ feet to _____ feet

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

February 18, 1959

Put to producing December 9, 1958

The production for the first 24 hours was 1147 barrels of fluid of which 100% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 280-250

EMPLOYEES

Moran Bros., Inc.

_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
1436	2295	859	Chinle
2295	2323	28	Chinarump
2323	2473	150	Moenkopi
2473	2598	125	Cutler - Hoskinini
2598	2735	137	Cutler - De Chelly Member
2735	3920	185	Cutler - Organ Rock Member
3920	4464	544	Lower Cutler
4464	5298	834	Honaker Trail
5298	5666	368	Paradox
5666	5632	-36	PBTD top cement

EX-101

7-10

SOUTH WYOM.

[OVER]

SOUTH WYOM.

11-43094-4

FORMATION RECORD—CONTINUED

FIELD WORK

DATE		WELL NO.		LOCALITY	
10/10/58		10000		WYOMING	
TIME		WELL TYPE		WELL STATUS	
10:00 AM		OIL		ACTIVE	
DRILLER		CROWDER		SUPERVISOR	
J. H. CROWDER		J. H. CROWDER		J. H. CROWDER	

HISTORY OF OIL OR GAS WELL

16-43004-2 U. S. GOVERNMENT PRINTING OFFICE

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of re-drilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

Spudded 11" AM 10/11/58. Drilled 11" hole to 176', reamed to 17-1/2" hole to 176'. Set and cemented 13-3/8" 27.1# casing at 176' with 175# regular cement, 2# calcium chloride. Pumped plug to 146' at 9:45 PM 10/22/58. Cement circulated. 402 24 hours. Tested casing with 250# for 30 minutes. O.K.

Drilled 11" hole to 1446'. Set and cemented 8-1/2" 24# casing at 1446' to 160' with 330 sacks regular cement, 126 sacks Diacel "D", 660# calcium chloride, 165# floccle, 660# buff plug, followed with 125 sacks neat cement on bottom. Pumped plug to 1145' at 11:45 PM 10/24/58. Cement circulated. Slowed down displacement, hole bridged. Maximum pressure 2000#. Left 301' cement in pipe. Recemented to surface down annulus with 35 sacks regular cement. WOC 24 hours. Tested casing with 75# for 30 minutes - tested okay.

(Dennis Ray PA)

Drilled 7-7/8" hole to 5655' at 1:30 PM 11/10/58. Ran Schlumberger Induction Electric and Micro Caliper logs to 5655'. Drilled 7-7/8" hole to 5664' at 11 AM 11/11/58. Set and cemented 5-1/2" OD 14# and 15.5# casing at 5662.98' EKB with 132 sacks neat regular cement, 100 sacks Diacel "D", 496# calcium chloride. Pumped plug to 5632' at 11 AM 11/11/58. WOC 24 hours, tested casing with 75# for 30 minutes - tested o.k.

Ran tubing and checked PEB at 5632'. Packed tubing. Ran perforating guns Atlas Corp. Gamma Ray Neutron Collar Locator log to 5632'. Perforated 5-1/2" casing with four 1/2" holes per foot EL and EL measure from 5460-80, 5486-5514, 5581-95, 5601-12, 5618-20. Total 75 feet - 300 shots. Ran 2-7/8" OD EUE tubing and set at 5606.29' with packer at 5345.67'. Western yield Co. displaced water with 9500, set packer and acidized casing perforations with 7500 gallons regular 15% acid. Flushed with 40 BO. Maximum pressure 3900#, minimum pressure 2500#. Average treating rate 6.1 BPM average flush rate 5.7 BPM. Job completed 11:50 AM 11/17/58. Waited on suspension of field shut-down order November 17, 1958 to December 9, 1958.

FOCAL MEET CORRECT

LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES

NAME OF FIELD TO BE OPENED

DATE OF ORDER

DATE OF ORDER

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Tribal

Lease No. 14-20-603-353

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Cortez, Colorado September 23, 1960

Desert "A"

Well No. 15 is located 660 ft. from N line and 1860 ft. from W line of sec. 19

NE NW Sec. 19

(1/4 Sec. and Sec. No.)

41S

(Twp.)

24E

(Range)

SLM

(Meridian)

Ratherford

(Field)

San Juan

(County or Subdivision)

Utah

(State or Territory)

ungraded ground

The elevation of the ~~surface~~ ungraded ground above sea level is 4714.7 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Pull rods and tubing. Perforate the Ismay Zone from 5416 to 5422 and 5425-30'. Set retrievable bridge plug and packer and acidise the Ismay sone with 2000 gallons of regular 15% acid. Swab test, re-run rods and tubing and produce Ismay and Desert Creek zones.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Phillips Petroleum Company

Address P. O. Drawer 1150

Cortez, Colorado

By C. M. Boles

Title District Superintendent

(SUBMIT IN TRIPLICATE)

Indian Agency NavajoUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYAllottee Tribal
Lease No. 14-20-603-353

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NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Desert "A"

Cortez, Colorado October 24, 1960

Well No. 15 is located 660 ft. from N line and 1060 ft. from NE line of sec. 19
NE NW Sec. 19 41S 24E SLM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Rutherford San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~corner~~ ungraded ground above sea level is 4714.7 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

9/27/60: Moved in and rigged up R&R Well Service Unit. Pulled rods and tubing. Western Company perforated Imay zone 5416-22 and 5425-30' with 4 J-2 rocket jet shots per foot using EI and FI measurements. Ran 2-1/2" tubing with Baker hookwall packer bull plugged at 5440'. Lane Wells Anchor packer at 5315'. Tie side door choke at 5438'. Loaded annulus with 85 barrels salt water. Western Company pumped in 2000 gallons 15% regular acid. Maximum pressure 200#. Minimum 200#. Rate 2.6 BPM. Flushed w/ 34 barrels salt water at Of. Rate 6.8 BPM. Well on vacuum during flush. Rigged up and swabbed 3/4 hour - recovered 10 barrels load water.

9/28/60: Swabbed 5 hours from bottom, recovered 11 barrels salt water, acid water and oil. Released packers. Pulled tubing and packers, reran 2-1/2" tubing - 176 jts. 5590-84' LT, 1 tubing sub 2.00' LT, seating shoe 1.18' LT, Baker Anchor 2.51' LT, Marsh Gas Anchor 18.20' LT. Set in cellar 8.84'. Tubing set at 5623.97' PKB. Baker Anchor at 5408'. Seating shoe at 5402'. Tubing intake 5610-5623'. (Cont'd on back)

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Phillips Petroleum CompanyAddress Box 1150Cortez, ColoradoBy C. M. BolesTitle Dist. Supt.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN
(Other instr
verse side)

ICATE*
on re-

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-353

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Rutherford Unit

9. WELL NO. 19-21

10. FIELD AND POOL, OR WILDCAT
Rutherford Field

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

19-418-24E, S1M

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1.

OIL WELL ☒ GAS WELL ☐ OTHER

2. NAME OF OPERATOR

Phillips Petroleum Company

3. ADDRESS OF OPERATOR

P. O. Drawer 1150, Cortez, Colorado (Formerly Phillips' Desert #4-15)

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface

660' FWL, 1860' FWL Sec. 19 NE 1/4 Sec. 19 418-24E,
San Juan County, Utah

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

4714.7 ungraded ground

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Kill well, pull rods and tubing. Run tubing work string with Baker Magnesium Bridge Plug and Retrievalmatic packer. Set Bridge Plug at 5445' and packer at 5375'. Breakdown - mix 50 sacks cement and squeeze Ismay perforations at 5416-22' and 5425-30' with holding pressure of 1500# maximum, 1000# minimum. Circulate out. Drill cement, test casing to 1000#, drill bridge plug and circulate out to PSTN 5632' using gelled water. Displace drilling fluid with clean water. Rerun 2-1/2" tubing with Marlex Liner and Baker Tension packer set at 5400' and convert to Water Injection.

Present Production. Test 2-14-64: 32 BO, 53 MCF, 0 BW, 24 hrs PM.

APPROVED BY UTAH OIL AND GAS
CONSERVATION COMMISSION

DATE: 3/7/64 by Paul H. Bruchell

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE C. E. Boles, Area Supt.

DATE

3-6-64

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

June 23, 1964

Phillips Petroleum Company
P. O. Drawer 1150
Cortez, Colorado

Attention: Mr. C. M. Boles, Area Superintendent

Re: Well No. Ratherford 19-21
Sec. 19, T. 41 S., R. 24 E.,
San Juan County, Utah

Well No. Ratherford 20-43
Sec. 20, T. 41 S., R. 24 E.,
San Juan County, Utah

Gentlemen:

This letter is to advise you that the Subsequent Report to Convert to Water Injection Well on the above mentioned wells are due and have not been filed with this Commission. We are enclosing forms for your convenience.

Thank you for your cooperation with respect to this request.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

KATHY G. WARNER
RECORDS CLERK

KGW:bc

Enclosures - Forms



PHILLIPS PETROLEUM COMPANY
P. O. Drawer 1150
Cortez, Colorado

June 25, 1964

Utah Oil & Gas Conservation Commission
310 Newhouse Building
Salt Lake City, Utah 84111

Attention: Kathy G. Warner, Records Clerk

Gentlemen:

Please refer to your letters of June 23rd and 24th in which you ask us to submit Subsequent Report to Convert to Water Injection on each of our Ratherford Unit Wells Nos. 19-21, 20-43, 9-23, and 10-23.

This is to advise that these wells have not as yet been completed, and are now in the process of workover. They should be completed as Water Injection wells within the next thirty days, and at that time we will file the Subsequent Reports on them and submit the necessary copies to your office.

Yours very truly,

PHILLIPS PETROLEUM COMPANY

C. M. Boles
Area Superintendent

bh

18



PHILLIPS PETROLEUM COMPANY
P. O. Drawer 1150
Cortez, Colorado

July 20, 1964

Utah Oil & Gas Conservation Commission
310 Newhouse Building
Salt Lake City 11, Utah

Attention: Mr. Cleon B. Feight

Dear Sirs:

In accordance with Rule E-4 of the Utah General Rules and Regulations, we wish to advise that the following wells located on the Ratherford Unit in San Juan County, Utah, were converted to water injection wells.

<u>Old Well No.</u>	<u>New Well No.</u>	<u>Date Converted</u>	<u>Injection Rate</u>	<u>Injection Pressure</u>
19-21	19W21	7-13-64	102 BWPD	350#
20-43	20W43	7-14-64	158 BWPD	350#
13-44	13W44	7-17-64	3120 BWPD	Vacuum

Very truly yours,

PHILLIPS PETROLEUM COMPANY

C. M. Boles
Area Superintendent

bh

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

11-20-603-353

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

SN-I-4192

8. FARM OR LEASE NAME

Rutherford Unit

9. WELL NO.

19-21

10. FIELD AND POOL, OR WILDCAT

Greater Aneth Field

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

19-41S-24E, SIM

12. COUNTY OR PARADOX STATE

San Juan

Utah

1. OIL WELL ☐ GAS WELL ☐ OTHER ☒ Water Injection

2. NAME OF OPERATOR

Phillips Petroleum Company

3. ADDRESS OF OPERATOR

Box 1150, Cortez, Colorado 81301

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface

660' FNL, 1860' FNL, Sec. 19 T. 41S. R. 24E, San Juan County, Utah

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

4714.7 ungraded ground

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

6-4-64 through 7-13-64:

Set Bridge Plug and Retrievable packer, squeezed Ismay perforations 5416-22' and 5425-30', drilled out cement and Bridge Plug to PB 5632'. Attempted to pump into formation with 1300#, unable to do so. Re-perforated Desert Creek from 5460-87', 5491-5514', 5583-95', 5601-12' and 5616-20', 2 jet shots per foot. Acidized with 2500 gallons regular acid, 300 gallons Sol Block and 2500 gallons regular acid. Ran 2 1/2" tubing with Driscopipe line and Model 1 packer, hooked up for Water Injection. Started injecting water 7-13-64. changed well classification from producing oil to water injection well and changed well number from 19-21 to 19-21 effective 7-13-64.

Previous Production: Greater Aneth Field, Paradox Formation, Desert Creek and Ismay Zones: 30 BOPD, 48 MCFGPD, 0 TMFD

Present Injection Rate: Greater Aneth Field, Paradox Formation, Desert Creek zone:

Injected 102 BW in 24 hours at 350#.

18. I hereby certify that the foregoing is true and correct

SIGNED

C. M. Baker

TITLE

Area Superintendent

DATE

7-16-64

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRI
(Other instructio.
verse side)

DATE*
on re-

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-353

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

SW-1-4192

8. FARM OR LEASE NAME

Rutherford Unit

9. WELL NO.

19421

10. FIELD AND POOL, OR WILDCAT

Greater Aneth Field

11. SEC., T., R., E., OR B.L. AND
SURVEY OR AREA

Sec. 19-41S-24E, SW

12. COUNTY OR PARISH, U.S. STATE

San Juan

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1.

OIL WELL ☐ GAS WELL ☐ OTHER ☒ Water Injection Well

2. NAME OF OPERATOR

Phillips Petroleum Company

3. ADDRESS OF OPERATOR

Drawer 1150, Cortez, Colorado 81321

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)

At surface

660' FWL, 1860' FWL, Sec. 19-41S-24E, San Juan County, Utah
(NE, NW)

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

4714.7 ungraded ground

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any
proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones perti-
nent to this work.)*

Pull 2½" steel tubing and Marlex liner, rerun tubing with bridge plug and packer,
selectively acidize perforations 5583-95', 5601-12 and 5616-20 with 4000 gallons
15% regular acid and perforations 5460-87' and 5491-5514' with 4000 gallons 15%
regular acid, test for injectivity, pull tubing with bridge plug and packer, rerun
tubing with Marlex liner and return well to water injection service.

Present Injection Rate: 34 BWPD at 350#.

18. I hereby certify that the foregoing is true and correct

SIGNED

C. M. Boles

TITLE

Area Superintendent

DATE

2-18-65

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRI
(Other instructio
verse side)

DATE*
ON re-

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☐ OTHER ☒ **Water Injection Well**

2. NAME OF OPERATOR
Phillips Petroleum Company

3. ADDRESS OF OPERATOR
Drawer 1150, Cortez, Colorado 81321

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
**660' FNL, 1860' FWL, Sec. 19-41S-24E, San Juan County, Utah
(NE, NW)**

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
4714.7 ungraded ground

5. LEASE DESIGNATION AND SERIAL NO.
14-20-603-353

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo

7. UNIT AGREEMENT NAME
SW-1-4192

8. FARM OR LEASE NAME
Rutherford Unit

9. WELL NO.
19421

10. FIELD AND POOL, OR WILDCAT
Greater Aneth Field

11. SEC., T., R. & M., OR B.L. & S. AND SURVEY OR AREA
Sec. 19-41S-24E, SIM

12. COUNTY OF PARTIAL AD. STATE
San Juan Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO :

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF :

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other)

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Pull 2½" steel tubing and Marlex liner, rerun tubing with bridge plug and packer, selectively acidize perforations 5583-95', 5601-12 and 5616-20 with 4000 gallons 15 % regular acid and perforations 5460-87' and 5491-5514' with 4000 gallons 15% regular acid, test for injectivity, pull tubing with bridge plug and packer, rerun tubing with Marlex liner and return well to water injection service.

Present Injection Rate: 34 BWPD at 350#.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE **Area Superintendent**

DATE **2-18-65**

C. M. Boles

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRI
(Other instructi
verse side)ATE*
a re-Form approved.
Budget Bureau No. 42-R1444

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1.

OIL WELL ☐ GAS WELL ☐ OTHER ☒

Water Injection Well

2. NAME OF OPERATOR

Phillips Petroleum Company

3. ADDRESS OF OPERATOR

P. O. Drawer 1150, Cortez, Colorado 81321

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface660' FWL, 1860' FWL, Sec. 19-41S-24E, San Juan
County, Utah (NE, NW)

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

4714.7 ungraded ground

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-353

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

Rathford Unit SW-I-4192

8. FARM OR LEASE NAME

Rathford Unit

9. WELL NO.

19821

10. FIELD AND POOL, OR WILDCAT

Greater Aneth Field

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 19-41S-24E, 31N

12. COUNTY ~~San Juan~~ 13. STATE

San Juan

Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☒(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any
proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones perti-
nent to this work.)*

3-2-65 through 3-5-65:

Set retrievable packer at 5556', attempted to acidize perforations 5583-95', 5601-12 and 5616-20' with 4000 gallons regular acid - unable to pump into formation at 5000# maximum pressure. Unseated packer, reset at 5438' above all perforations, acidized perforations 5460-87' and 5491-5514' with 2000 gallons regular, 250 gallons block, and 2000 gallons regular acid. Perforated 5 1/2" casing with 4 jet shots per foot 5582-94' and 5601-08'. Set packer at 5567', acidized perforations 5582-94' and 5601-08' with 4000 gallons regular acid. Pulled tubing and packer, reran tubing with tension packer, hooked back up for water injection, resumed injection 3-4-65.

Injection rate before work: Injected 34 BWPD at 350#.

Present Injection rate: Injected 61 BWPD at 450#.

18. I hereby certify that the foregoing is true and correct

SIGNED

C. M. Boles

TITLE

Area Superintendent

DATE

3-25-65

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side



PHILLIPS PETROLEUM COMPANY
BARTLESVILLE, OKLAHOMA 74004

EXPLORATION AND PRODUCTION DEPARTMENT

May 12, 1965

Ratherford Unit
San Juan County, Utah
Revision of Pressure
Maintenance Plans

Utah Oil and Gas Conservation Commission (2)
310 Newhouse Building
Salt Lake City, Utah

Gentlemen:

The Oil and Gas Conservation Commission of the State of Utah, by its order entered in Cause 63 dated September 13, 1961, approved Phillips Petroleum Company's application for approval of a pressure maintenance program for the Ratherford Unit. Subsequent approvals have been given for modifications in the injection program as originally submitted. At this time approval is requested for the following additional modifications:

1. Convert Well 19-M21 to a Producing Status. Well 19-M21 has been unsatisfactory as an injection well in that it will not accept a sufficient volume of water to effectively move oil to producing wells located in Section 19 and, consequently, is incapable of deterring the possible movement of waterflood oil from Section 18 to producing wells in Section 19. In an effort to correct this situation, a total of 8,000 gallons of acid was used in selective treatments of injection perforations in Well 19-M21 during the period March 1 through March 11. Within one week after acidizing, the injection rate had declined to 61 BPD, an increase of only 24 BPD over the prior rate. Working Interest Owners owning 91.28 per cent of the Ratherford Unit voting interest have agreed in this recommendation. No negative votes have been received.
2. Convert Well 17-M4 to a Producing Status. Well 17-M4 was completed in November, 1959 as a water injection well in the initial Ratherford Unit pilot waterflood program. It was shut down in September, 1962 after injecting an accumulated volume of water totaling 1,661,287 barrels. The well has remained on shut down status since that time. It is the desire of the Ratherford Unit Working Interest Owners to make an attempt to complete in the interval 5510-34' in the Desert Creek formation and 5483-92' in the Lamy formation. Working Interest Owners owning 72.50 per cent of the voting interest in the Ratherford Unit have approved this proposal. No negative votes have been received.

2/ 6005 I YAN

Utah Oil and Gas Conservation Commission
In re: Ratherford Unit, San Juan County, Utah -
Revision of Pressure Maintenance Plans
May 12, 1965
Page 2

These modifications will result in improved flood patterns and should account for increased oil recovery from the unit. Your early approval will be appreciated.

Very truly yours,

PHILLIPS PETROLEUM COMPANY



M. J. Kaufman, Chairman
Working Interest Owners Committee
Ratherford Unit

JEC:law

May 20, 1965

Phillips Petroleum Company
Bartlesville,
Oklahoma

Attention: Mr. M. J. Kaufman, Chairman

Dear Sir:

The following changes in your pressure maintenance program for the
Rutherford Unit are hereby approved as per your request.

1. Convert Well 19W21 to a Producing Status.
2. Convert Well 17W44 to a Producing Status.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FREIGHT
EXECUTIVE DIRECTOR

CBF:kgw

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-60-353

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

10-1-4192

8. FARM OR LEASE NAME

Rutherford Unit

9. WELL NO.

19-21

10. FIELD AND POOL, OR WILDCAT

Greater North - Paradox

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

19-43S-24E S14

12. COUNTY ~~OKLAHOMA~~ 13. STATE

San Juan

Utah

1.

OIL WELL ☐ GAS WELL ☐ OTHER

Water Injection well

2. NAME OF OPERATOR

Phillips Petroleum Co.

3. ADDRESS OF OPERATOR

Drawer 1150, Cortez, Colorado 81301

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*

See also space 17 below.)

At surface

660' ECL, 1850' ECL, Sec. 19-43S-24E, San Juan County, Utah

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

4714.7 ungraded ground

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

PULL OR ALTER CASING

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other) return to producing status

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

REPAIRING WELL

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other)

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Run 2-7/8" tubing and Paradox liner, rerun 2-7/8" tubing, rods, pump and return well to producing status.

Present Injection Rate: 61 BPD at 450psi.

18. I hereby certify that the foregoing is true and correct

SIGNED

[Signature]
J. J. Jones

TITLE

District Superintendent

DATE

6-23-65

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN THE CATEGORY*
(Other instructions on reverse side)Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Water Injection Well		5. LEASE DESIGNATION AND SERIAL NO. 11-20-603-353
2. NAME OF OPERATOR Phillips Petroleum Co.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo
3. ADDRESS OF OPERATOR Drawer 1150, Cortez, Colorado 81321		7. UNIT AGREEMENT NAME M-I-4192
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 660' SW, 1860' NW, Sec. 19-41S-24E, San Juan County, Utah		8. FARM OR LEASE NAME Rutherford Unit
14. PERMIT NO.		9. WELL NO. 19-21
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4714.7 ungraded ground		10. FIELD AND POOL, OR WILDCAT Greater Aneth - Paradox
		11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA 19-41S-24E SLM
		12. COUNTY San Juan San Juan
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) Return to producing status ☒PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

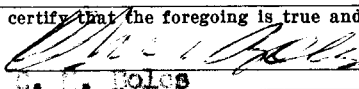
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

pull 2-7/8" tubing and Marlex liner, rerun 2-7/8" tubing, rods, pump and return well to producing status.

Present Injection Rate: 61 BOPD at 450#.

18. I hereby certify that the foregoing is true and correct

SIGNED



TITLE

District Superintendent

DATE

6-23-65

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side



PHILLIPS PETROLEUM COMPANY
P. O. Drawer 1150
Cortez, Colorado 81321

July 20, 1965

Utah Oil & Gas Conservation Commission
348 East South Temple
Suite 301
Salt Lake City, Utah 84111

Attention: Mr. Cleon B. Feight

Dear Sirs:

In accordance with Rule E-4 of the Utah General Rules and Regulations, we wish to advise that Ratherford Unit Well No. 19W21 located in Section 19-41S-24E, San Juan County, Utah has been returned to producing status effective July 3, 1965. The well classification has been changed from water injection to oil well, and the well number has been changed from 19W21 to 19-21.

Details of the above will be furnished on USGS Form No. 9-331b in the near future.

Very truly yours,

PHILLIPS PETROLEUM COMPANY

C. M. Boles
District Superintendent

bh

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT ILLUSTRATIONS
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-609-953

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

SW-B-4192

8. FARM OR LEASE NAME

Rutherford Unit

9. WELL NO.

19-21

10. FIELD AND POOL, OR WILDCAT

Greater Aneth

11. SEC., T., R., M., OR BLK. AND

19-18-18-01N

12. COUNTY OR PARISH 13. STATE

San Juan

Utah

1.

OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Phillips Petroleum Company

3. ADDRESS OF OPERATOR

Drawer 1150, Cortez, Colorado

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*

See also space 17 below.)
At surface

660' FWL, 1860' FWL, Sec. 19

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

4714.7 ungraded ground

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT* ☐

Return to producing status ☒

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to the work.)

Convert well from water injection back to oil production

7-2-65 through 7-19-65

Moved in well service unit, pulled tubing and packer, reran tubing with pumping installation, hooked up lead line, started well pumping. Changed well classification from water injection to oil well and number from 19-21 to 19-21 effective 7-3-65. Completed as oil well producing from Desert Creek Zone of Paradox Formation.

Injection rate before conversion to oil well: 68 BWPD at 430%.

Present Production: 2 BWPD, 6 MCBPD, 63 BWPD

18. I hereby certify that the foregoing is true and correct

SIGNED

C. M. Bailey

TITLE

Dist. Supt.

DATE

9-8-65

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN 7
(Other Instru.
verse side)ATE*
a re-Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	5. LEASE DESIGNATION AND SERIAL NO. 14-20-603-353
2. NAME OF OPERATOR Phillips Petroleum Company	6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo Tribal
3. ADDRESS OF OPERATOR P. O. Drawer 1150, Cortez, Colorado 81321	7. UNIT AGREEMENT NAME SM-I-4192
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 660' from North Line; 1860' from West Line Section 19	8. FARM OR LEASE NAME Rutherford Unit
14. PERMIT NO.	9. WELL NO. 19-21
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4714.7 ungraded ground	10. FIELD AND POOL, OR WILDCAT Greater Aneth
	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 19-418-24E SW
	12. COUNTY San Juan 13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Pull rods and tubing, run packer, acidize with 15,000 gallons 28% acid and swab test. Pull packer, run tubing and rods and return to production.

Present Production: 5 BOPD, 3 BWPD, 3 MCFOPD

18. I hereby certify that the foregoing is true and correct

SIGNED **C. M. Boles**

TITLE

District Superintendent

DATE

9-25-66

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

*See Instructions on Reverse Side

July 31, 1967

Phillips Petroleum Company
P. O. Drawer 1150,
Cortez, Colorado 81321

Re: Wells No. Rathorford Unit #17-44,
Sec. 17, T. 41 S., R. 24 E. and
Rathorford Unit # 19-21
Sec. 19, T. 41 S., R. 24 E.,
San Juan County, Utah.

Gentlemen:

This letter is to advise you that the Subsequent Reports of Shooting and Acidizing for the above named wells are due and have not been filed with this office.

Please submit to this office the above named reports.

Thank you for your cooperation in this matter

Very Truly yours,

DIVISION OF OIL & GAS CONSERVATION

SHARON CAMERON
RECORDS CLERK

SC:cam

60

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN 7
(Other instr. on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. 11-20-602-353
2. NAME OF OPERATOR Phillips Petroleum Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo Tribal
3. ADDRESS OF OPERATOR P.O. Drawer 1150, Cortez, Colorado 81321		7. UNIT AGREEMENT NAME 11-2-4192
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 660' from North Line; 1860' from West Line		8. FARM OR LEASE NAME Rutherford Unit
14. PERMIT NO.		9. WELL NO. 19-21
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4714.7 Ungraded ground		10. FIELD AND POOL, OR WILDCAT Greater Aneth
		11. SEC. T., R., M. OR BLM. AND SURVEY OR AREA 19-13-21-34
		12. COUNTY San Juan 13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input checked="" type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____	
(Other) _____		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

To cancell application dated 9-26-66 to pull rods and tubing, run packer, and line with 15,000 gallons 28% acid and swab test. Pull packer, run tubing and rods and return to production.

Orig & 2 USGS - Farmington, N.M.
2 cc - Utah O&GCC - Salt Lake City, Utah
1 cc - Western Region office - Denver
1 cc - File

18. I hereby certify that the foregoing is true and correct

SIGNED C.M. Boles TITLE District Superintendent DATE 8-13-67

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN 7
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo Tribe
2. NAME OF OPERATOR Phillips Petroleum Company	7. UNIT AGREEMENT NAME Unit 1-1192
3. ADDRESS OF OPERATOR P.O. Drawer 1150, Cortez, Colorado 81321	8. FARM OR LEASE NAME Hetherford Unit
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 660' from North Line; 1860' from West Line	9. WELL NO. 19-27
14. PERMIT NO.	10. FIELD AND POOL, OR WILDCAT Greater Aneth
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4714.7 Ungraded ground	11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA 10-11-21-24
	12. COUNTY San Juan 13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input checked="" type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

To cancell application dated 9-26-66 to pull rods and tubing, run packer, acidize with 15,000 gallons 28% acid and swab test. Pull packer, run tubing and rods and return to production.

Orig & 2 USGS - Farmington, N.M.
2 cc - Utah O&GOC - Salt Lake City, Utah
1 cc - Western Region office - Denver
1 cc - File

18. I hereby certify that the foregoing is true and correct

SIGNED C.M. Boles TITLE District Superintendent DATE 8-11-67

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.

14-39-603-353

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Kewaie Tribal

7. UNIT AGREEMENT NAME

SW-1-4192

8. FARM OR LEASE NAME

Rutherford Unit

9. WELL NO.

19421

10. FIELD AND POOL, OR WILDCAT

Greater Aneth

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 19-414-245

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

1. OIL WELL ☐ GAS WELL ☐ OTHER ☒ Water Injection Well

2. NAME OF OPERATOR

Phillips Petroleum Company

3. ADDRESS OF OPERATOR

P. O. Box 2920, Casper, Wyoming 82601

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface

660' FWL and 1860' FWL (ME MW)

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

4730 RLB

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT* ☐

Convert to water injection ☒

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

SEE ATTACHED SHEET

NOTE: Converted to WI as proposed in our October 4, 1973 Supplemental Plan of Development and approved by Carl C. Traywick, Acting Area Oil & Gas Supervisor, on October 12, 1973.

18. I hereby certify that the foregoing is true and correct

SIGNED

[Signature]

TITLE

Area Superintendent

DATE

8/26/73

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

- 3 - USGS, Farmington NM
- 2 - Utah O&GEC, Salt Lake City UT
- 1 - File
- 1 - Superior Oil Co., Cortez CO

*See Instructions on Reverse Side

FIN. REPORT INDIVIDUAL WELL STATUS

Lease Ratherford Unit Well No. 19W21 Authorization No. P-9555

Summary of Work Performed:

November 12, 1974 through November 25, 1974

Pulled rods and tubing, acidized well with 2300 gals 15%, ran Baker Model AD Packer, hooked up for water injection, converted from active oil well to water injection well effective 11-19-74.

AVERAGE DAILY PRODUCTION				
	Field and Formation	Oil	Gas	Water
Before Work	Greater Aneth - Paradox Desert Creek Zone I, II and III	10	20	0
After Work	" " "	Injected	367 BWPD at 2575#	
Before Work				
After Work				
DATE	P.T.D.			

DAILY REPORT OF WORK PERFORMED

1974 Nov. 12
 RATHERFORD UNIT NO. 19-21 PTD 5632. INITIAL REPORT. COOH W/TBG. RBP AND PKR. MI AND RU R AND R WS 10/20/74, LAYED DN TBG. FOR INSPECTION, RELEASED R AND R WS 10/21/74. MI AND RU R AND R WS 11/9/74 RAN TBG W/RBP AND PKR., COULDN/T GET BP TO GO BELOW 5575 FT. AFE P-9555 TO CONVERT FROM OIL WELL TO WTR INJ WELL. ACIDIZE ZONE I AND II. ELEV. 4718.5 GL. LOCATION/ 660 FT. FNL, 1860 FT. FWL, SEC. 19-41S-24 E, SAN JUAN COUNTY, UTAH. GREAT ANETH FIELD, PARADOX FORMATION. DESERT CREEK ZONE NO. 1, NO. 2 AND NO. 3. DATE LAST PRODUCTION 10/19/74, DATE LAST TEST 9/18/72, 10 BOPD, 0 RHPD, 20 MCFD..

13
 RATHERFORD UNIT NO. 19-21 PTD 5632. FIN. COOH W/TBG., RBP AND PKR. RAN WL TO 5595 FT., WOULDNT GO ANY DEEPER. WIH W/TRG, 4 3/4 IN. BIT AND CSG. SCRAPER. MI AND HOOKED UP CIRC. EQUIPMENT. SDON..

14
 RATHERFORD UNIT NO. 19-21 PTD 5632. PREP TO COOH AND ACIDIZE. FIN. GIH W/4 3/4 IN. BIT AND CSG. SCRAPER, DRL/D AND REAMED FROM 5560 TO 5620. CIRC. HOLE CLEAN AND START OUT OF HOLE W/TBG. SDON..

15
 RATHERFORD UNIT NO. 19-21 PTD 5632. PREP TO ACIDIZE. FIN. COOH W/TBG., LAID DN BIT AND CSG. SCRAPER, WIH W/RBP AND PKR. SDON..

- 1 - Bville E&P
- 1 - Denver E&P
- 1 - R. N. Hughes
- 1 - G. R. Hudson
- 1 - File

8/26/75

Date Prepared

784
 District Approval

DAILY REPORT DETAILED

LEASE Ratherford Unit

WELL NO. 19W21

SHEET NO. 2

DATE
NATURE OF WORK
TOTAL
DEPTH
PERFORMED

16-18
RATHERFORD UNIT NO. 19-21 PTD 5632. COOH W/RBP. 11/16/74 RU DOWELL, TEST TRG. TO 4000 PSI, SET RET. BP AT 5618 FT., CUH AND SET PKR AT 5565 FT. W/TAIPIPE AT 5605 FT., UNABLE TO LOAD ANNULUS, LEFT ANNULUS VALVE OPEN, TOOK INJECTION TEST, PMPD 9 BSW 1 1/4 BPM AT 2500 PSI. BTM. PERFS. COMM. W/ANNULUS. TP DROPPED TO 0 LB. SD. STARTED UP HOLE W/PKR. HIT TITE SPOT W/PKR. AT 5535 FT., WORKED PKR THRU TITE SPOT 5535-5529, ACTS LIKE CASING PARTIALLY COLLAPSED. SET PKR AT 5446 FT., W/TAIPIPE AT 5486 FT., FILLED AND PRESS ANNULUS TO 800 PSI, ACIDIZED IN 4 STAGES W/2300 GALS. 15 PERCENT HCL ACID CONTAINING 10 PERCENT H66, AND 2 GALS/1000 GALS. ACID W-35. PLUGS CONTAINED 3 PPG ROCK SALT AND 2 LB./BBL. J-111. PMPD 15 BBLs. ACID, 3 BPM, 0 PSI. PMPD 24 BSW, 3 1/2 BPM, GRAD. PRESS. INC. TO 1000 PSI. PMPD/ 7 1/2 BBL. PLUG, 4 BPM, PRESS. INC. TO 1600 LB. PSI WHEN PLUG HIT PERFS. PMPD 2 STAGES OF 15 BBLs. ACID AND 36 BBLs. SALT WTR AND 10 BBL PLUGS, PRESS. BROKE BACK TO 1100 PSI W/ACID ON FORM. FROM EACH STAGE, PRESS. INC. FROM 600 TO 800 PSI FROM EACH PLUG. FINAL STAGE PMPD. 15 BA, FLUSHED W/60 BSW, FINAL RATE 3.5 BPM AT 2300 PSI. MAX. PRESS. 2400 LB. JOB COMPL. 12/20 P.M. 11/15/74. ISIP 1600 LB. 0 LB. IN 22 MIN. RU AND SWBD. 6 HRS, FL FULL TO 4200 FT., REC. 60 BW. SION. 11/17/74 SWRD 3 HRS REC. 40 BSW, FL 4200 FT. TO 5300 FT. COOH W/TRG AND PKR, LD PKR. WIH W/RETRIEVING HEAD, PU BP, STARTED OOH, PULLED 32 STDS, SION. 11/18/74 SD OVER SUNDAY..

19
RATHERFORD UNIT NO. 19-21 PTD 5632. PREP TO HOOKUP FOR INJ. FIN. COOH W/TRG. WIH W/BAKER AD TENSION PKR. AND TRG. SET PKR AT 5432 FT..

20
RATHERFORD UNIT NO. 19W21 /FORMERLY 19-21/ PTD 5632. HOOKED UP WELL HEAD, STARTED INJ. WTR. 11/19/74, NO GAUGE. CONVERTED FROM OIL WELL TO WTR. INJ. WELL AND NUMBER CHANGED FROM 19-21 TO 19W21 EFFECTIVE 11/19/74.

21
RATHERFORD UNIT NO. 19W21 PTD 5632. INJ/D 1126 BHPD, AT 160 LB. PRESS...

22
RATHERFORD UNIT NO. 19W21 PTD 5632. INJ/D 710 BHPD AT 1700 LB. PRESS...

23-25
RATHERFORD UNIT NO. 19W21 PTD 5632. 11/23/74 INJ. RATE, 1102 BHPD AT 2600 LB. PRESS. 11/24/74 391 BHPD AT 2550 LB. PRES. 11/25/74 367 BHPD AT 2575 LB. PRESS. FINAL REPORT..

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well gas ☐ well other Water injection well

2. NAME OF OPERATOR
Phillips Petroleum Company

3. ADDRESS OF OPERATOR
Post Office Box 2920, Casper, Wyoming 82602

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 660' FNL & 1860' FWL, NE NW
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☒
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) Squeeze Zone II

SUBSEQUENT REPORT OF:

☐
☐
☐
☐
☐
☐
☐
☐

5. LEASE
14-20-603-353

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo

7. UNIT AGREEMENT NAME
SW-I-4192

8. FARM OR LEASE NAME
Ratherford Unit

9. WELL NO.
19W21

10. FIELD OR WILDCAT NAME
Greater Aneth

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 19-41S-24E

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

14. API NO.
43-037-15741

15. ELEVATIONS (SHOW DF, KDB, AND WD)
RKB-4728'

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Squeeze Zone II perms. (5583'-5620' O.A.) and acidize Zone I perms. (5460-5514' O.A.) w/8,000 gals. 28 percent HCL. Return to injection.

APPROVED BY THE DIVISION
OF OIL, GAS, AND MINING

DATE: 12/17/80

BY: CS Fisher

RECEIVED
DEC 15 1980

DIVISION OF
OIL, GAS & MINING

Subsurface Safety Valve: Manu. and Type _____

Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED D. J. Fisher

TITLE Oper. Supt.

DATE _____

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

3 - USGS, Farmington, NM

2 - Utah O & G CC, Salt Lake City, UT

1 - Superior Oil, The Woodlands, TX

1 - File

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well ☐ gas ☐ well ☐ other ☒ **Injector**

2. NAME OF OPERATOR
Phillips Petroleum Company

3. ADDRESS OF OPERATOR
P. O. Box 2920, Casper, Wyoming 82602

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: **660' FWL & 1860' FWL, NE NW**
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

5. LEASE
14-20-603-353

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo

7. UNIT AGREEMENT NAME
SM-I-4193

8. FARM OR LEASE NAME
Rutherford Unit

9. WELL NO.
19421

10. FIELD OR WILDCAT NAME
Greater Aneth

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 19-T.15-R.34E

12. COUNTY OR PARISH **San Juan** 13. STATE **Utah**

14. API NO.
43-037-1541

15. ELEVATIONS (SHOW DF, KDB, AND WD)
4723' MD

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input checked="" type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input type="checkbox"/>

(other) **Squeeze Zone II**

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

December 24, 1980 through January 29, 1981 -

SEE ATTACHED FOR COMPLETE DETAILS

Injection Before - 84 BHPD at 2500 psi
Injection After - 159 BHPD at 2550 psi

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED **B. J. Fisher** TITLE **Oper. Supt.** DATE **February 9, 1981**

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

- 3 - USGS, Farmington, NM
- 2 - Utah OGC, Salt Lake City, UT
- 1 - Superior Oil Co., The Woodlands, TX
- 1 - File

Lease RATHERFORD UNIT Well No. 19W21 Authorization No. P-U269

Summary of Work Performed: December 24, 1980 through January 29, 1981 -

Sqzd perfs 5460-5620' w/100 sx Class B Cmt. Had flow back. Re-sqzd w/35 sx Class B, held w/3600 psi. DO to NEW PBD 5536'. Perfd Zone I 5460-72', 5476-80', 5484-88', 5490-5502', 5505-07' & 5509-12'. Acidized w/8000 gal 28% HCL and Returned to Injection 1/8/81.

AVERAGE DAILY PRODUCTION

	Field and Formation	Oil	Gas	Water
Before Work	Greater Aneth - Zone I & II	Shut-in 11/6/80. Test prior to SI -		
	Desert Creek	Injecting 84 BWPD at 2500 psi		
After Work	"			
	Desert Creek			
	Zone I	Injecting 159 BWPD at 2550 psi		
Before Work				
After Work				

DATE P.T.D.

DAILY REPORT OF WORK PERFORMED

RATHERFORD UNIT NO. 19W21 OLD PBD 5632, NEW PBD 5627. INITIAL REPORT. 12/25/80 - MI AND RU R AND R WS UNIT 12/24/80. RELEASED PKR, TAG FILL AT 5425 FT. COOH W/2-3/8 IN PLASTIC LINED TBG AND PKR. START IN W/4-3/4 IN BIT AND 5-1/2 IN CSG SCRAPER ON 2-7/8 IN TBG. SDON. PREP TO CO FILL 5425 FT TO 5632 FT. 12/26/80 - SD CHRISTMAS DAY. 12/27/80 - FIN GIH W/BIT AND SCRAPER, TAG TOP OF FILL 5425 FT. CO 5425 TO 5473 FT, 48 FT. PIECES OF CSG AND SCALE IN RETURNS. SDON. PREP TO FIN CO TO 5632 FT. 12/28/80 - CONT TO CO. RE-WORK BIT AND SCRAPER THRU 5453-5473 FT. FIN CO 5473-5627 FT, 154 FT. TBG TALLY INDICATES TOP OF SHOE AT 5627 FT. TIGHT SPOT 5532-36 FT. PIECES OF CSG AND SCALE IN RETURNS. SDON. PREP TO SQZ CMT PERFS 5460-5620 FT. 12/29/80 - SD SUNDAY. AFE P-U269 ISSUED TO CONVERT FROM ZONE I AND II INJECTION TO ZONE I INJECTION, SQUEEZE ZONE II PERFS, ACIDIZE ZONE I W/8000 GAL 28 PERCENT HCL AND RETURN TO INJECTION. LOCATION - 660 FT FNL AND 1860 FT FWL, NE NW, SEC. 19-T41S-R24E, GREATER ANETH FIELD, SAN JUAN CO., UTAH. SUB AREA CODE 26. ELEV 4730 FT RKB. API NO. 43-037-15741. DATE LAST INJECTED - SI 11/6/80 TO TEST. TEST PRIOR TO SHUT-IN - 84 BWPD AT 2500 PSI.

RATHERFORD UNIT NO. 19W21 PBD 5627. COOH W/BIT AND SCRAPER. WIH, SET PKR 5412 FT. RU HOWCO. TSTD SURF AND TBG 3500 PSI, OK. PRESS ANNULUS 1000 PSI. PMPD 20 BFW, 2 BPM AT 2000 PSI. HOWCO MIXED AND PMPD 100SX CLASS B CMT W/10 PERCENT SALT, 1-1/4 PERCENT CFR-2, 2 BPM AT 2000 PSI. PKR FAILED, RE-SET PKR 5349 FT. DISPLD W/31 BFW, 2 BPM AT 2500 PSI. FINAL PRESS 3500 PSI, AFTER SECOND SHUT DOWN HAD FLOW BACK. RELEASED PKR, REVERSED OUT 28 SX CMT. RESET PKR 5162 FT. CLEAR PERFS W/40 BFW, 1-1/2 BPM AT 3500 PSI. SD PUMPS. RELEASE HOWCO. COOH W/TBG AND PKR. PKR OK. SDON. PREP TO RE-SQUEEZE PERFS 5460-5620 FT. OA..

RATHERFORD UNIT NO. 19W21 PBD 5627. WIH W/BAKER CEMENTER, SET PKR 4948 FT. RU HOWCO. PRESSURE ANNULUS TO 1000 PSI. PUMP 24 BFW, 2 BPM AT 3500 PSI. HOWCO MIX AND PUMP 35 SX CLASS B W/10 PERCENT SALT, 1-1/4 PERCENT CFR-2, 1.4 BPM AT 3200 PSI. DISPLD W/39 BFW, 1.4 BPM AT 3300 PSI. MAX PRESS 3500 PSI. SD 4 TIMES. HELD 3600 PSI SQUEEZE. RD AND REL HOWCO. CALC TOC 5384 FT. SDON. PREP TO DRILL OUT TO 5530 FT..

RATHERFORD UNIT NO. 19W21 PBD 5627. PREP TO DRILL OUT TO 5530 FT. 1/1/81 - COOH W/TBG AND PKR. WIH W/4-3/4 IN BIT, 5-1/2 IN CSG SCRAPER, 2-7/8 IN TBG. TAG TOC 5374 FT. DRLD CMT 5374-5394 FT, 20 FT. CMT VERY GREEN. SDON. 1/2/81 - SD FOR HOLIDAY..

District Approval

DAILY REPORT DETAILED

LEASE

RATHERFORD UNIT

WELL NO.

19W21

SHEET NO.

2

DATE
NATURE OF WORK

TOTAL
DEPTH
PERFORMED

1981

Jan 5
3

RATHERFORD UNIT NO. 19W21 PBTD 5627. 1/3/81 - DRLD CMT 5394-5536 FT, 142 FT. SOFT TO HARD, REC PIECES OF METAL 5458-5473 FT. CIRC HOLE CLEAN. SDON. PREP TO TEST SQZ. 1/4/81 - COOH W/BIT AND SCRAPER. WIH W/PKR SET AT 4940 FT. PRESS TSTD SQZ TO 2650 PSI. LOST 750 PSI, 5 MIN. SDON. PREP TO PERFORATE. 1/5/81 - SD SUNDAY..

6 RATHERFORD UNIT NO. 19W21 NEW PBTD 5536. COOH W/PKR. RU GO WL SERVICE. WIH W/4 IN CSG GUN, 2 JSPF. STARTING FL 560 FT. MADE 4 RUNS. PERFORATED 5460-72 FT, 5476-80 FT, 5484-88 FT, 5490-5502 FT, 5505-07 FT, 5509-12 FT. TOTAL 74 SHOTS, ALL FIRED. HAD 2 MISRUNS. FINAL FL 530 FT. RD AND RELEASED GO WL. SDON. PREP TO ACIDIZE..

7 RATHERFORD UNIT NO. 19W21 PBTD 5536. WIH W/TBG AND PKR. TAILPIPE 5512 FT. RU HALLIB, TSTD SURF LINES TO 3500 PSI, OK. SPOT 500 GAL 28 PERCENT HCL W/10 GAL/1000 FE-1A AND 50 LB/1000 GAL FE-2 PLUS 4 GAL/1000 GAL HAI-50. PU AND SET PKR 4946 FT. TAILPIPE 5383 FT. PRESS ANNULUS TO 1000 PSI. HALLIB PMPD 7500 GAL ACID, 3 STAGES, USING 500 GAL DIVERT, MIXED AT 2-1/2 LB/GAL ROCK SALT AND 6 LB/100 GAL WG-6. INITIAL PMPG RATE 0.8 BPM AT 2500 PSI, AVG 2.4 BPM AT 2400 PSI. FINAL 2.9 BPM AT 2000 PSI. OVER-DISPLD W/51 BSW. SD PUMPS. ISIP 1750 PSI, 5 MIN 1700 PSI, 10MIN 1500 PSI, 15 MIN 1500 PSI. PUMP TROUBLE AND SURF LEAKS. SLOWED RATE AT END OF JOB. RD AND REL HALLIB. FLWD 190 BAW BACK. SDON W/PRESS ON TBG. PREP TO RESUME INJECTION ..

8 RATHERFORD UNIT NO. 19W21 PBTD 5536. FLOW WELLHEAD PRESS OFF, REC 30 BAW. COOH W/WORKSTRING AND PKR. WIH W/2-3/8 IN PLASTIC LINED TBG AND 5-1/2 IN BAKER LOK-SET PKR. CIRC INHIBITED PKR FLUID DN ANNULUS. SET PKR 3573 FT. ATTEMPTED TO TEST PKR, WELLHEAD LEAKS. NU WELLHEAD. SDON. PREP TO RD AND RESUME INJECTION.

9 RATHERFORD UNIT NO. 19W21 PBTD 5536. INJECTING. RD AND RELEASED R AND R WS UNIT AT 9/00 AM, 1/8/81. RESUMED INJECTION AT 10/00 AM..

10-12 RATHERFORD UNIT NO. 19W21 PBTD 5536. INJECTING. 1/10/81 - INJECTED 24 HRS, REC 1737 BW. 1/11/81 - INJECTED 24 HRS, REC 341 BW. 1/12/81 - INJECTED 24 HRS, RATE 268 BWPD. TP 2640 PSI, INJ PRESS 2600 PSI..

13 RATHERFORD UNIT NO. 19W21 PBTD 5536. INJECTING. INECTED 24 HRS REC 257 BW..

14 RATHERFORD UNIT NO. 19W21 PBTD 5536. INJECTED 24 HRS, REC 242 BW.

15 RATHERFORD UNIT NO. 19W21 PBTD 5536. INJECTED 24 HRS, REC 232 BW..

16 RATHERFORD UNIT NO. 19W21 PBTD 5536. INJECTED 24 HRS, REC 216 BW, 2600 PSI..

17-19 RATHERFORD UNIT NO. 19W21 PBTD 5536. 1/17/81 - INJECTED 24 HRS, 194 BW AT 2575 PSI. 1/18/81 - NO REPORT. 1/19/81 - INJECTED 24 HRS, 191 BW AT 2600 PSI..

20 RATHERFORD UNIT NO. 19W21 PBTD 5536. INJECTED 24 HRS, REC 183 BW AT 2550 PSI..

21 RATHERFORD UNIT NO. 19W21 PBTD 5536. INJECTED 24 HRS, REC 175 BW AT 2600 PSI..

22 RATHERFORD UNIT NO. 19W21 PBTD 5536. INJECTING - NO REPORT..

23 RATHERFORD UNIT NO. 19W21 PBTD 5536. INJECTING. 2 DAY AVG - 166 BWPD AT 2600 PSI..

DAILY REPORT DETAILED

LEASE RATHERFORD UNIT WELL NO. 19W21 SHEET NO. 31981 DATE
TOTAL
DEPTH
NATURE OF WORK PERFORMED

Jan. 24-26 RATHERFORD UNIT NO. 19W21 PBTD 5536. INJECTING. 1/24/81 - INJECTED
171 BWPD AT 2600 PSI. 1/25/81 AND 1/26/81 - NO REPORT..

RATHERFORD UNIT NO. 19W21 PBTD 5536. INJECTING. 3 DAY AVG - 166
BWPD AT 2600 PSI..

RATHERFORD UNIT NO. 19W21 PBTD 5536. INJECTED 164 BWPD AT 2575 PSI..

RATHERFORD UNIT NO. 19W21 PBTD 5536. INJECTED 159 BWPD AT 2550
PSI. FINAL REPORT SUMMARY. SQZD PERFS 5460-5620 FT W/100 SX CLASS
B CMT. HAD FLOW BACK. RE-SQZD W/35 SX CLASS B, HELD W/3600 PSI.
DO CMT TO NEW PBTD 5536 FT. PERFD ZONE I 5460-72 FT, 5476-80 FT,
5484-88 FT, 5490-5502 FT, 5505-07 FT AND 5509-12 FT, 2 JSPF.
ACIDIZED W/8000 GAL 28 PERCENT HCL. RETURNED TO A WATER INJECTOR
1/8/81 FROM ZONE I PERFS 5460-5512 FT OA, INJECTING 159 BWPD AT
2550 PSI. AFE P-U269. LOC - NE NW, SEC. 19-T41S-R24E, GREATER
ANETH FIELD, SAN JUAN CO., UTAH. API NO. 43-037-15741. SUB AREA CODE
26. FINAL REPORT..

STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING
ROOM 4241 STATE OFFICE BUILDING
SALT LAKE CITY, UTAH 84114
(801) 533-5771
(RULE I-5 & RULE I-4)

FORM NO. DOGM-UIC-1
(Revised 1982)

IN THE MATTER OF THE APPLICATION OF
PHILLIPS PETROLEUM COMPANY

CAUSE NO. C-3(B)

ADDRESS P.O. BOX 2920
CASPER, WYOMING ZIP 82602
INDIVIDUAL PARTNERSHIP ☒ CORPORATION
FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR
INJECT FLUID INTO THE 19W21 WELL
SEC. 19 TWP. 41S RANGE 24E
SAN JUAN COUNTY, UTAH

ENHANCED RECOVERY INJ. WELL ☒
DISPOSAL WELL ☐
LP GAS STORAGE ☐
EXISTING WELL (RULE I-4) ☒

APPLICATION

Comes now the applicant and shows the Corporation Commission the following:

1. That Rule I-5 (g) (iv) authorizes administrative approval of enhanced recovery injections, disposal or LP Gas storage operations.
2. That the applicant submits the following information.

Lease Name Ratherford Unit	Well No. 19W21	Field Greater Aneth	County San Juan
Location of Enhanced Recovery Injection or Disposal Well 19W21 Sec. 19 Twp. 41S Rge. 24E			
New Well To Be Drilled Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Old Well To Be Converted Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Casing Test Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Date 5-83	
Depth-Base Lowest Known Wingate Fresh Water Within 1/2 Mile 1550'	Does Injection Zone Contain Oil-Gas-Fresh Water Within 1/2 Mile YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		State What Oil & Gas
Location of Injection Source(s) Desert Creek Paradox I & II San Juan River	Geologic Name(s) Desert Creek (5567') and Depth of Source(s) San Juan River (Surface)		
Geologic Name of Injection Zone Desert Creek I	Depth of Injection Interval 5460 to 5514		
a. Top of the Perforated Interval: 5460	b. Base of Fresh Water: 1550'	c. Intervening Thickness (a minus b) 3910	
Is the intervening thickness sufficient to show fresh water will be protected without additional data? YES NO See Attachment #4			
Lithology of Intervening Zones See Attachment #1			
Injection Rates and Pressures Maximum 90 (12-82) B/D 2500 PSI			
The Names and Addresses of Those to Whom Notice of Application Should be Sent.			
Navajo Tribe, Minerals Dept., P.O. Box 146, Window Rock, AZ 86515			
Superior Oil, P.O. Box 4530, The Woodlands, TX 77380			
Texaco Inc., P.O. Box 2100, Denver, CO 80201			
Southland Royalty, 1000 Fort Worth Club Tower, Fort Worth, TX 76102			

State of Wyoming)

PHILLIPS PETROLEUM COMPANY

Applicant

County of Natrona)

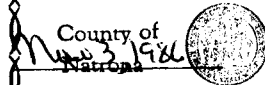
Before me, the undersigned authority, on this day personally appeared A. E. Stuart known to me to be the person whose name is subscribed to the above instrument, who being by me duly sworn on oath states, that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct.

Suscribed and sworn to before me this 21st day of Sept, 19 83

SEAL

My commission expires

DONALD L. HUDSON - Notary Public



My Commission Expires Nov 2 1986

State of Wyoming

Notary Public in and for Natrona Co., Wyoming

1. Attach qualitative and quantitative analysis of representative sample of water to be injected and a qualitative and quantitative analysis of the injection formation of water.
2. Attach plat showing subject well and all known oil and gas wells, abandoned, drilling and dry holes within one-half mile, together and with the name of the operator(s).
3. Attach Drillers Log (Form DOGM-UIC-2). (Appropriate Surety must be on file with Conservation Division or appropriate government agencies.)
4. Attach Electric or Radioactivity Log of Subject well (if released).
5. Attach schematic drawing of subsurface facilities including; Size, setting depth, amount of cement used measured or calculated tops of cement surface, intermediate (if any) and production casings; size and setting depth of tubing; type and setting depth of packer; geologic name of injection zone showing top and bottom of injection interval.
6. If the application is for a NEW well the original and six (6) copies of the application and three (3) complete sets of attachments shall be mailed to the Division. For EXISTING well applications (Rule I-4) only ONE copy of the application and ONE complete set of attachments are required to be mailed to the Division.
7. The Division is required to send notice of application to the surface owner of the land within one-half mile of the injection well and to each operator of a producing leasehold within one-half mile of the injection well. List all required names and addresses in the appropriate space provided on the front of this form.
8. Notice that an application has been filed shall be published by the Division in a newspaper of general circulation in the county of publication before the application is approved. The notice shall include the name and address of applicant, location of proposed injection or disposal well, injection zone, injection pressure and volume. If no written objection is received within 15 days from date of publication the application may be approved administratively.
9. A well shall not be used for injection or disposal unless completed machine accounting Form DOGM-UIC-3b is filed by January 31st each year.
10. Approval of this application, if granted, is valid only as long as there is no substantial change in the operations set forth in the application. A substantial operation change requires the approval of a new application.
11. If there is less intervening thickness required by Rule I-5 (b) 4, attach sworn evidence and data.
12. For enhanced recovery projects, information required by Rule I-4 which is common to more than one well, need be reported only once on the application.

CASING AND TUBING DATA

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
Surface	13-3/8	176	175	Surface	Returns
Intermediate	8-5/8	1447	800 cu ft	Surface	Returns
Production	5-1/2	5663	550 cu ft	4245	CALCULATED
Tubing	2-1/2	5373	Name - Type - Depth of Tubing Packer Baker Loc set Pkr 5373		
^{PB} Total Depth 5536	Geologic Name - Inj. Zone Desert Creek I		Depth - Top of Inj. Interval 5460		Depth - Base of Inj. Interval 5514

(To be filed within 30 days after drilling is completed)

14-20-603- 353

COMPLETION & TEST DATA BY PRODUCING FORMATION

DEPARTMENT OF NATURAL RESOURCES AND ENERGY

LEASE NO.

API NO. 43-037- 15741

640 Acres
N

DIVISION OF OIL, GAS, AND MINING
Room 4241 State Office Building
Salt Lake City, Utah 84114

COUNTY San Juan SEC. 19 TWP. 41S RGE. 24E

COMPANY OPERATING Phillips Petroleum Company

OFFICE ADDRESS P.O. Box 2920

TOWN Casper STATE WYOMING ZIP 82602

FARM NAME _____ WELL NO. 19W21

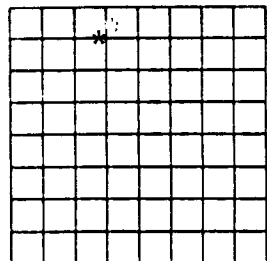
DRILLING STARTED 10/29 58 DRILLING FINISHED 11/19 58

DATE OF FIRST PRODUCTION 12-9-58 COMPLETED 9/28/60

WELL LOCATED NE 1/4 NW 1/4

660 FT. FROM SE OF 1/4 SEC. & 1860 FT. FROM WL OF 1/4 SEC.

ELEVATION BERRICK FLOOR 4728 GROUND 4714.7



Locate Well Correctly
and Outline Lease

RKB

TYPE COMPLETION

Single Zone X

Multiple Zone _____

Comingled _____

LOCATION EXCEPTION

OIL OR GAS ZONES

Name	From	To	Name	From	To
Desert Creek I	5460	5514			
Desert Creek II	5583	5620	(squeezed)		
Ismay	5416	5430	(squeezed)		

CASING & CEMENT

Casing Set				Csg. Test	Cement		
Size	Wgt.	Grade	Feet	Psi	Sax	Fillup	Top
13-3/8	27.1	H-40	162		175		Surface
8-5/8	24	J-55	1444		800	cu ft.	Surface
5-1/2	15.5	J-55	164		--		
	14	J-55	5519		550	cu ft. 1417	4245

PBTD 5536

PACKERS SET
DEPTH

Baker Loc - Set Pkr @ 5373'

TOTAL DEPTH 5663

NOTE: THIS FORM MUST ALSO BE ATTACHED WHEN FILING PLUGGING FORM DOGM-UIC-6

FORMATION

Desert Creek I

SPACING & SPACING
ORDER NO.

40 acre

Cause #C-3(B)

CLASSIFICATION
(DISPOSAL WELL, ENHANCED
RECOVERY, LP GAS STORAGE)

Enhanced
Recovery

PERFORATED

5460 -72

5505-07

INTERVALS

5476-80

5509-12

5484-88

5490-5502

ACIDIZED?

1-7-81

8000 gal.

28% HCl

FRACTURE TREATED?

No

INITIAL TEST DATA

Squeeze Desert Creek II 1-16-81
Converted to Injector 11-20-74

Date

1-16-81

Oil, bbl./day

--

Oil Gravity

--

Gas, Cu. Ft./day

--

CF

CF

CF

Gas-Oil Ratio Cu. Ft./Bbl.

--

Water-Bbl./day

216

Pumping or Flowing

Pumping

CHOKE SIZE

--

FLOW TUBING PRESSURE

2600

A record of the formations drilled through, and pertinent remarks are presented on the reverse.
(use reverse side)

I, the undersigned, being first duly sworn upon oath, state that this well record is true, correct and complete according to the records of this office and to the best of my knowledge and belief.

Telephone 307-237-3791

A.E. Stuart, Area Manager

Name and title of representative of company

Subscribed and sworn before me this _____ day of _____

19 83
SEP 22 '83

Casper

WELL: 19W21
LOCATION: NENW Sec 10 - T41S - R24E
FIELD: GREATER ANETH
RESERVOIR: Desert Creek I

I COMPLETION: 11.20.74
PRESENT STATUS: W.I.

RKB 4728'
GL 4714.7'

176'

SURFACE CASING: 133/8" 27.1#
H-40

INTERMEDIATE CASING: 85/8"
24# J-55

PRODUCTION CASING: 5 1/2" 15.5#
J-55-164', 14# J-55-5519'

1447'

PERFORATIONS: _____
5460-72
5476-80
5484-88
5490-5502
5505-07
5509-12

PACKER: Baker loc-set
Pkr @ 5373'
Tubing: 2 1/2" @ 5373'

5373'

5460'

5512'

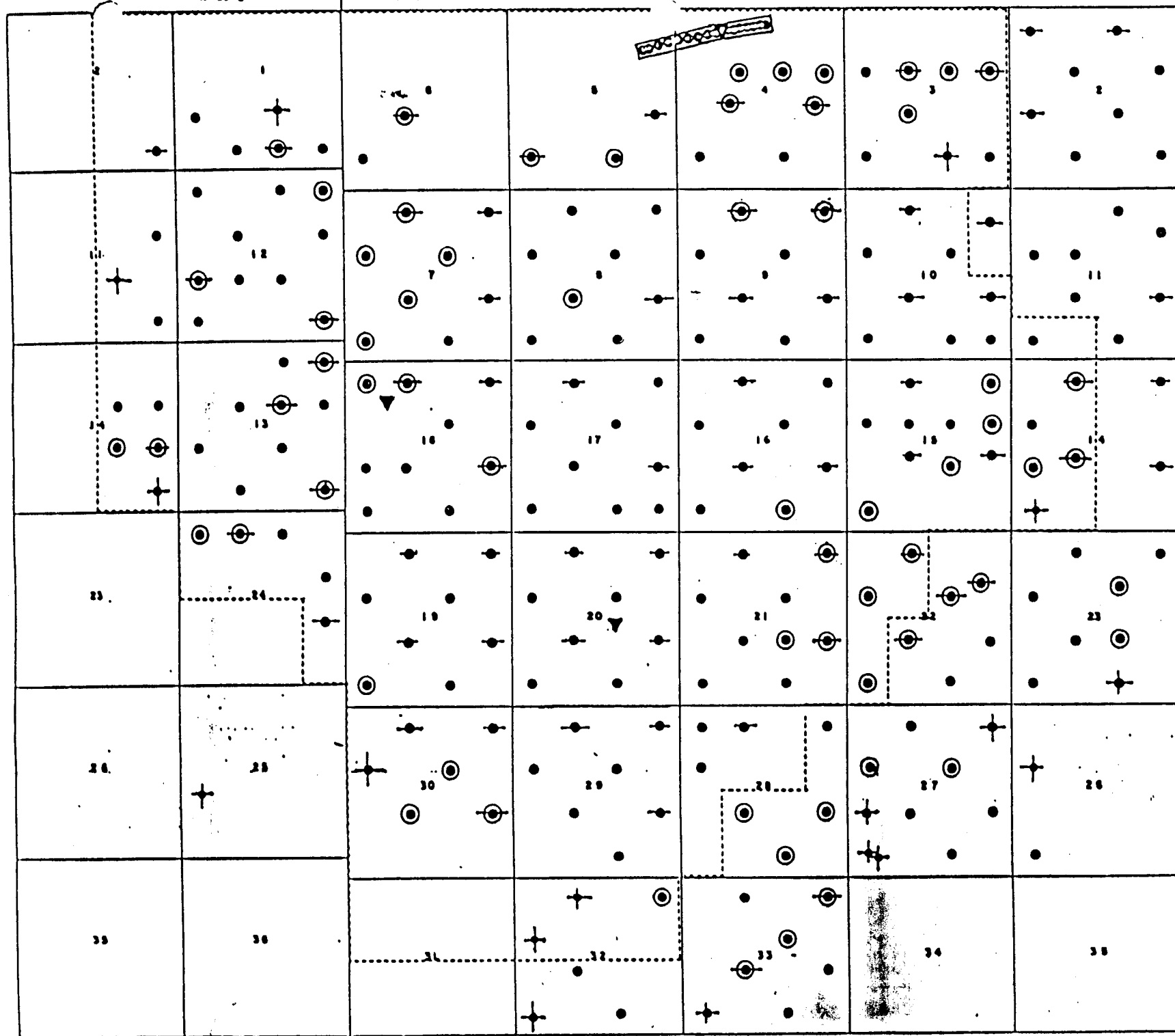
PBTD: 5536'
OTD: 5663'

5663'

Phillips Petroleum Company

R-23-E

R-24-E



RATHERFORD UNIT
 SAN JUAN COUNTY, UTAH
 2" = 1 mile
 RCT 3-83

- oil producer
- water injector
- ◻ water supply
- ▼ domestic water
- + plugged & abandoned
- shut in well
- unit boundary

CHECKLIST FOR INJECTION WELL APPLICATION AND FILE REVIEW

Operator: Phillips Well No. Rutherford Unit 19W21
 County: San Juan T 41S R 24E Sec. 19 API# 43-037-15741
 New Well ☐ Conversion ☐ Disposal Well ☐ Enhanced Recovery Well ☒

UIC Forms Completed

YES

NO

Plat including Surface Owners, Leaseholders,
and wells of available record

Schematic Diagram

Fracture Information

Pressure and Rate Control

Adequate Geologic Information

Fluid Source

Analysis of Injection Fluid

Yes

No

TDS 85655

Analysis of Water in Formation
to be injected into

Yes

No

TDS 103633

Known USDW in area

Number of wells in area of review

Wingate

Depth

1550

Prod.

5

P&A

0

Water

0

Inj.

1

Aquifer Exemption

Yes

NA

Mechanical Integrity Test

Yes

No

Date

Type

Comments:

TOL 4245

Reviewed by:

[Signature]

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT" for such proposals.)

OIL WELL ☒ GAS WELL ☐ OTHER ☐

1. NAME OF OPERATOR

Phillips Oil Company

2. ADDRESS OF OPERATOR

P.O. Box 2920, Casper, WY 82602

3. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface

See Attached

14. PERMIT NO.

See Attached

15. ELEVATIONS (Show whether of, to, or, etc.)

5. LEASE DESIGNATION AND SERIAL NO.

96-004192 ✓

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

Ratherford Unit ✓

8. FARM OR LEASE NAME

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT

N/A

11. SEC., T., R., M., OR BLK. AND
ACREAGE OR AREA

See Attached

12. COUNTY OR PARISH 13. STATE

San Juan

Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☐
☐
☐

PULL OR ALTER CASING

☐
☐
☐
☐
☐

FRACTURE TREAT

MULTIPLE COMPLETION

SHOOT OR ACIDIZE

ABANDONMENT

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐
☐
☐

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

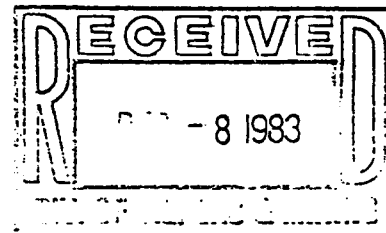
ALTERING CASING

ABANDONMENT

(NOTE: Report results of multiple completion or Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

To show change of Operator only. Phillips Oil Company assumed operations effective December 1, 1983 from Phillips Petroleum Company. See attached for list of wells.



Org. & 3-BLM

1-The Navajo Nation
1-Mary Wiley Black
1-Lawrence E. Brock
1-Chevron USA
1-Ralph Faxel
1-Royal Hogan
1-W. O. Keller
1-Dee Kelly Corp.1-Robert Klabzuba
1-Micheal J. Moncrief
1-Richard B. Moncrief
1-Lee W. Moncrief
1-Mary H. Morgan
1-W. A. Moncrief
1-W. A. Moncrief, Jr.
1-L. F. Peterson1-Shell Oil Co.
1-Southland Royalty Co.
1-Superior Oil Co.
1-Leroy Shave
1-Texaco, Inc.
1-Wade Wiley, Jr.
1-Edwin W. Word, Jr.
1-File

18. I hereby certify that the foregoing is true and correct

SIGNED A E Stuart TITLE Area Manager

DATE 12/6/83

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

*See Instructions on Reverse Side

<u>WELL NO.</u>	<u>WELL LOCATION</u>	<u>API NO.</u>	<u>STATUS</u>
19W41	NE NE Sec.19-T41S-R24E	43-037-15745	SI
20W21	NE NW Sec.20-T41S-R24E	43-037-16423	Act.
20W23	NE SW Sec.20-T41S-R24E	43-037-15748	Act.
20W41	NE NE Sec.20-T41S-R24E	43-037-15751	Act.
20W43	NE SE Sec.20-T41S-R24E	43-037-16424	SI
21W21	NE NW Sec.21-T41S-R24E	43-037-16425	Act.
21W41	NE NE Sec.21-T41S-R24E	43-037-16426	SI
21W43	NE SE Sec.21-T41S-R24E	43-037-16427	SI
22W21	NE NW Sec.22-T41S-R24E	43-037-16428	SI
24W21	NE NW Sec.24-T41S-R23E	43-037-16429	SI
24W43	NE SE Sec.24-T41S-R23E	43-037-16430	SI
28W21	NE NW Sec.28-T41S-R24E	43-037-16431	Act.
29W21	NE NW Sec.29-T41S-R24E	43-037-16432	Act.
29W23	NE SW Sec.29-T41S-R24E	43-037-15338	Act.
29W41	NE NE Sec.29-T41S-R24E	43-037-16433	SI
29W43	NE SE Sec.29-T41S-R24E	43-037-16434	Act.
30W21	NE NW Sec.30-T41S-R24E	43-037-16435	SI
30W41	NE NE Sec.30-T41S-R24E	43-037-15343	Act.
30W43	NE SE Sec.30-T41S-R24E	43-037-16436	SI
S01	NE NE Sec.5-T41S-R24E		SI
S02	NE NE Sec.5-T41S-R24E		Act.
S03	NE NE Sec.5-T41S-R24E		SI
S04	NE NE Sec.5-T41S-R24E		SI
S05	NE NE Sec.5-T41S-R24E		Act.
S06	NE NE Sec.5-T41S-R24E		Act.
S07	NW NW Sec.4-T41S-R24E		Act.
S08	NW NW Sec.4-T41S-R24E		Act.
S09	NW NW Sec.4-T41S-R24E		SI
S10	NW NW Sec.4-T41S-R24E		Act.
S11	NW NW Sec.4-T41S-R24E		Act.
S13	NW NW Sec.4-T41S-R24E		SI
S14	NE NW Sec.4-T41S-R24E		SI
S15	NE NW Sec.4-T41S-R24E		SI
S16	NE NW Sec.4-T41S-R24E		SI
S17	NE NW Sec.4-T41S-R24E		SI
S19	SE NE Sec.4-T41S-R24E		SI
S20	SE NE Sec.4-T41S-R24E		SI
S22	SE NE Sec.4-T41S-R24E		SI
S23	SW NE Sec.4-T41S-R24E		SI

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Water Injection Well		5. LEASE DESIGNATION AND SERIAL NO. 14-20-603-353
2. NAME OF OPERATOR Phillips Petroleum Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo
3. ADDRESS OF OPERATOR P.O. Box 2920, Casper, Wyoming 82602		7. UNIT AGREEMENT NAME SW-I-4192
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 660' FNL & 1860' FWL, NE NW		8. FARM OR LEASE NAME Ratherford Unit
14. PERMIT NO. API #43-037-15741		9. WELL NO. 19W21
15. ELEVATIONS (Show whether DF, RT, CR, etc.) RKB 4728'		10. FIELD AND POOL, OR WILDCAT Greater Aneth
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 19-T41S-R24E
		12. COUNTY OR PARISH San Juan
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	FRACTURE TREATMENT	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	SHOOTING OR ACIDIZING	<input checked="" type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	(Other)	<input type="checkbox"/>
(Other)	<input type="checkbox"/>	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	
PULL OR ALTER CASING	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
CHANGE PLANE	<input type="checkbox"/>		

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

May 23, 1985 through June 5, 1985

Acidized Zone I w/5500 gal 28% HCL in 3 stages, mixed w/
coarse rock salt as divertant. Returned to injection
5/29/85 with a final test run 6/5/85.

Injection Rate Before - 93 BWPD at 2600 psi
Injection Rate After - 188 BWPD at 2350 psi

- 5 - BLM, Farmington, NM
- 2 - Utah O&G CC, Salt Lake City, UT
- 1 - R. Ewing, B'Ville
- 1 - L. Williamson, Denver
- 1 - File (RC)

RECEIVED

NOV 01 1985

DIVISION OF OIL
GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED D. C. Gill

TITLE Area Manager

DATE 10/29/85

(This space for Federal or State office use)

APPROVED BY Alton B. Ferguson

TITLE VIC Manager

DATE 11-8-85

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Mobil Oil Corporation

P.O. BOX 5444
DENVER, COLORADO 80217-5444

May 14, 1986

Utah Board of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Attn: R. J. Firth
Associate Director

RECEIVED
MAY 16 1986

DIVISION OF
OIL, GAS & MINING

SUPERIOR OIL COMPANY MERGER

Dear Mr. Firth:

On September 20, 1984, The Superior Oil Company (Superior) became a wholly owned subsidiary of Mobil Corporation. Since January 1, 1985, Mobil Oil Corporation (MOC), another wholly owned subsidiary of Mobil Corporation, has acted as agent for Superior and has operated the Superior-owned properties.

On April 24, 1986, Superior was merged with Mobil Exploration and Producing North America Inc. (MEPNA), which is also a wholly owned subsidiary of Mobil Corporation. MEPNA is the surviving company of the merger.

This letter is to advise you that all properties held in the name of Superior will now be held in the name of MEPNA; and that these properties will continue to be operated by MOC as agent for MEPNA.

Attached is a listing of all wells and a separate listing of injection-disposal wells, Designation of Agent and an organization chart illustrating the relationships of the various companies. If you have any questions or require additional documentation of this merger, please feel free to contact me at the above address or (303) 298-2577.

Very truly yours,



R. D. Baker
Environmental Regulatory Manager

CNE/rd
CNE8661

UTAH DIVISION OF OIL, GAS AND MINING
CASING-BRADENHEAD TEST

OPERATOR: Phillips Petroleum Company

FIELD: Greater Aneth LEASE: Ratherford Unit

WELL # 19W21 SEC. 19 TOWNSHIP 41S RANGE 24E

STATE (FED.) FEE DEPTH 5536 TYPE WELL INJW MAX. INJ. PRESS. 2500 psi

TEST DATE 6/17/86

CASING STRING	SIZE	SET AT	CMT	PRESSURE READINGS	REMARKS	FUTURE
<u>SURFACE</u>	<u>13³/₈</u>	<u>176</u>	<u>175</u>			
<u>INTERMEDIATE</u>	<u>8⁵/₈</u>	<u>1447</u>	<u>800ft³</u>			
<u>PRODUCTION</u>	<u>5¹/₂</u>	<u>5663</u>	<u>550ft³</u>	<u>1920</u>	<u>2020 Baker How down Blew water 15 sec. dropped to 1920</u>	<u>check for poss. leak</u>
<u>TUBING</u>	<u>2¹/₂</u>	<u>5373</u>		<u>2680</u>		
	<u>Baker Loc-Set Pkr 5373</u>					

CASING STRING	SIZE	SET AT	CMT	PRESSURE READINGS	REMARKS	FUTURE
<u>SURFACE</u>						
<u>INTERMEDIATE</u>						
<u>PRODUCTION</u>						
<u>TUBING</u>						

CASING STRING	SIZE	SET AT	CMT	PRESSURE READINGS	REMARKS	FUTURE
<u>SURFACE</u>						
<u>INTERMEDIATE</u>						
<u>PRODUCTION</u>						
<u>TUBING</u>						

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIP
(Other instruction
verse side)

ATE
re

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☐ OTHER ☒ Water Injection

2. NAME OF OPERATOR
Phillips Petroleum Company

3. ADDRESS OF OPERATOR
P. O. Box 1150, Cortez, CO 81321

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface
660' FNL & 1860' FWL

14. PERMIT NO.
43-037-15741

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
4728' GL

5. LEASE DESIGNATION AND SERIAL NO
14-20-603-353

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo

7. UNIT AGREEMENT NAME
SW-I-4192

8. FARM OR LEASE NAME
Rutherford Unit

9. WELL NO.
#19W21

10. FIELD AND POOL, OR WILDCAT
Greater Aneth

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 19-T41S-R24E

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
(Other) ☐

PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
ABANDON* ☐
CHANGE PLANE ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐
FRACTURE TREATMENT ☐
SHOOTING OR ACIDIZING ☒
(Other) ☐

REPAIRING WELL ☐
ALTERING CASING ☐
ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

January 24, 1988 through February 2, 1988

Move in and Rig up Well Service Unit on 1/24/88. POOH with injection equipment. RIH with packer on tubing workstring, set packer @ 5293'. Acidized with 3500 gal. 28% HCl acid. Swab back load. RIH with injection equipment. Pressured tubing/casing annulus to 1050 psi and held for 15 minutes. RR and place well back on injection 2/2/88.

Injection Before: 81 BWIPD @ 2450 psi
Injection After: 153 BWIPD @ 2450 psi

4-BLM
2-Utah O & G
1-M. Williams, Bartlesville
1-R. J. Rundt (r) Engineering
1-D. C. Gill (r) Denver Files
1-Texaco, U.S.A., Casper WY
1-Cortez Office - RC

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature]

TITLE District Superintendent

DATE 6/6/88

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

*See Instructions on Reverse Side

DOWNHOLE SCHEMATIC

Date: 8/6/87

RATHERFORD Unit # 19W21

Location NE NW Sec. 19

RKB Elev. 4728'

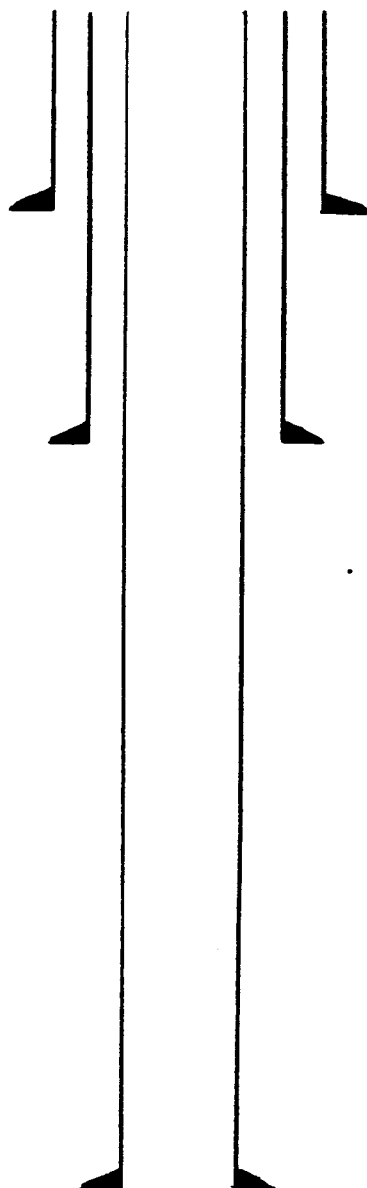
T41S-R24E

GL Elev. 4718'

Well Drd 11/11/58

RKB Above GL' 10'

Well converted
to injector 7/13/64



CONDUCTOR Csg 13³/₈@ 176'

SURFACE Csg. 8⁵/₈@ 1447'

TOC 3500' CALC.

Tubing 2³/₈@ 5,304' Duoline HT2

PACKER BAKER LOK-SET PKR
@5304'

PERFS	<u>5460 - 72</u>	<u>5505 - 07</u>
	<u>5476 - 80</u>	<u>5509 - 12</u>
	<u>5484 - 88</u>	<u> - </u>
	<u>5490 - 5502</u>	<u> - </u>

PBTD 5536'

PRODUCTION Csg. 5¹/₂@ 5662'
J-55 14#, 15.5 #

All Perfs Zone I unless noted

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER WATER INJECTION & WATER SUPPLY WELLS		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR PHILLIPS PETROLEUM COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME SW-I-4192
3. ADDRESS OF OPERATOR 152 N. DURBIN, 2ND FLOOR, CASPER, WYOMING-82601		7. UNIT AGREEMENT NAME RATHERFORD UNIT #7960041920
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <u>SEE ATTACHED</u>		8. FARM OR LEASE NAME
14. PERMIT NO.		9. WELL NO. VARIOUS (see attached)
15. ELEVATIONS (Show whether OF, ST, OR, etc.) OIL, GAS & MINING		10. FIELD AND POOL, OR WILDCAT GREATER ANETH
		11. SEC., T., R., N., OR BLK. AND SURVEY OR AREA Sections 1 thru 30 T41S - R23E & 24E
		12. COUNTY OR PARISH San Juan
		13. STATE Utah

MAR 20 1989

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	FRACTURE TREATMENT	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	SHOOTING OR ACIDIZING	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	(Other) CHANGE OF OWNERSHIP	<input checked="" type="checkbox"/>
(Other)	<input type="checkbox"/>	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

This is to advise all Water Injection and Water Supply Wells on the Ratherford Unit, listed on the attached sheet, were sold to Phillips Petroleum Company, effective August 1, 1985.

(former Operator - Phillips Oil Company)

3 - BLM, Farmington, NM
2 - Utah O&G CC, SLC, UT
1 - File

18. I hereby certify that the foregoing is true and correct

SIGNED S. H. Oden TITLE District Superintendent DATE March 17, 1989

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.

SUBMIT IN TRIPLICATE

MAY 20 1991

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other Water Injection

2. Name of Operator

Phillips Petroleum Company

3. Address and Telephone No.

300 W. Arrington, Suite 200, Farmington, NM 87401 (505) 599-3412

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

660' FNL & 1860' FWL
Sec. 19, T41S, R24E

5. Lease Designation and Serial No.

14-20-603-353

6. If Indian, Allottee or Tribe Name

Navajo Tribal

7. If Unit or CA, Agreement Designation

SW-I-4192

8. Well Name and No.

Ratherford Unit No. 19W21

9. API Well No.

43-037-15781

10. Field and Pool, or Exploratory Area

Greater Aneth

11. County or Parish, State

San Juan, Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Clean Out & Stimulate

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

April 16, 1991 thru April 23, 1991

MI & RU service unit 4/16/91. ND WH, NU BOP. Released Baker 5-1/2" interlock pkr and COOH w/167 jts 2-3/8" Rice Duo-lined tbg and pkr. PU 4-3/4" bit and 5-1/2" csg scraper and 158 jts 2-3/8" work string. Drilled to 5470'. COOH. PU 3-7/8" bit and 4" csg. scraper. TIH and drilled to 5536'. Flowed down well, COOH w/tbg. pkr. and scraper. PU 5-1/2", R-3 pkr. TIH and set pkr @ 5275'. RU Dowell and tested lines to 4000 psi. Est. inj. rate, pumped 4000 gals 28% gelled acid w/100 sealers and additives overdisplaced w/50 bbls H2O, avg. 1850 @ 4 BPM. Released pkr, pumped 20 bbls water down tbg. COOH LD workstring (167 jts 2-3/8" tbg). PU 5-1/2" Otis interlock on-off tool, ran tbg drifting barrier rings. Tested tbg. to 3000 psi - okay. Set pkr @ 5261'. Tested annulus to 1100 psi - okay. Pull off of packer on-off tool, circ. packer fluid. ND BOP's, NU WH. Pressure csg. to 1080 psi, ran 45 min. MIT test using chart recorder - okay. Bleed off pressure, run in hole w/sandline and knock plug out of pkr. POOH w/sandline. RD and move off location. Put well back on injection.

14. I hereby certify that the foregoing is true and correct.

Signed E. E. Robinson

Title Sr. Drlg. & Prod. Engr.

Date 5-1-91

(This space for Federal or State office use)

Approved by _____

Title _____

Date _____

Conditions of approval, if any:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0133
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a well. Use "APPLICATION FOR PERMIT—" for such proposals.

SUBMIT IN TRIPLICATE

**DIVISION OF
OIL GAS & MINING**

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other **Water Injector**

2. Name of Operator

Phillips Petroleum Company

3. Address and Telephone No.

5525 Hwy 64 NBU 3004, Farmington, NM 87401 (505) 599-3412

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**660' FNL & 1860' FWL
Sec. 19, T42S, R24E**

5. Lease Designation and Serial No.

14-20-603-353

6. If Indian, Allottee or Tribe Name

Navajo Tribal

7. If Unit or CA, Agreement Designation

**Ratherford Unit
SW-I-4192**

8. Well Name and No.

Ratherford 19W21

9. API Well No.

43-037-15741

10. Field and Pool, or Exploratory Area

Greater Aneth

11. County or Parish, State

San Juan, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other _____
- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

This well was shut-in 5/24/91 until casing integrity can be established by running a 4" flush joint liner. The well has developed a small amount of annular pressure. Past experience indicates that these leaks produce small amounts of fluid into the casing but requires excessive pressure to pump into, therefore a cement squeeze will not be performed.

It is proposed that the existing 5-1/2" casing be perforated @ 1500' (53' below surface casing shoe) and Class G cement be circulated to surface. This will meet P&A requirements for the future.

The 4" liner would be run from \pm 5536' to surface. The liner would be cemented in 2 stages with 50/50 (G:Poz) cement, the DV tool will be at \pm 3000'. The well will be perforated from 5460'-5512' OA, and stimulated with 3500 gallons of 15% HCl acid. The injection packer will be set at \pm 5410', an MIT (1000 psi for 30 minutes) will be performed, and the well will be returned to injection. Forty-eight hour notice will be given prior to cementing the surface casing shoe, the 4" liner, and performing the MIT.

5-BLM, Farmington

1-EPA, San Francisco

1-P. J. Konkell

2-Utah, O&G

1-EPA, Window Rock

1-Farmington - RC

14. I hereby certify that the foregoing is true and correct

Signed L. E. Robinson

Title Sr. Drlg. & Prod. Engr

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Federal Approval of this
Action is Necessary

Title _____

**Accepted by the State
of Utah Division of
Oil, Gas and Mining**

Date: 5-31-91

By: [Signature]

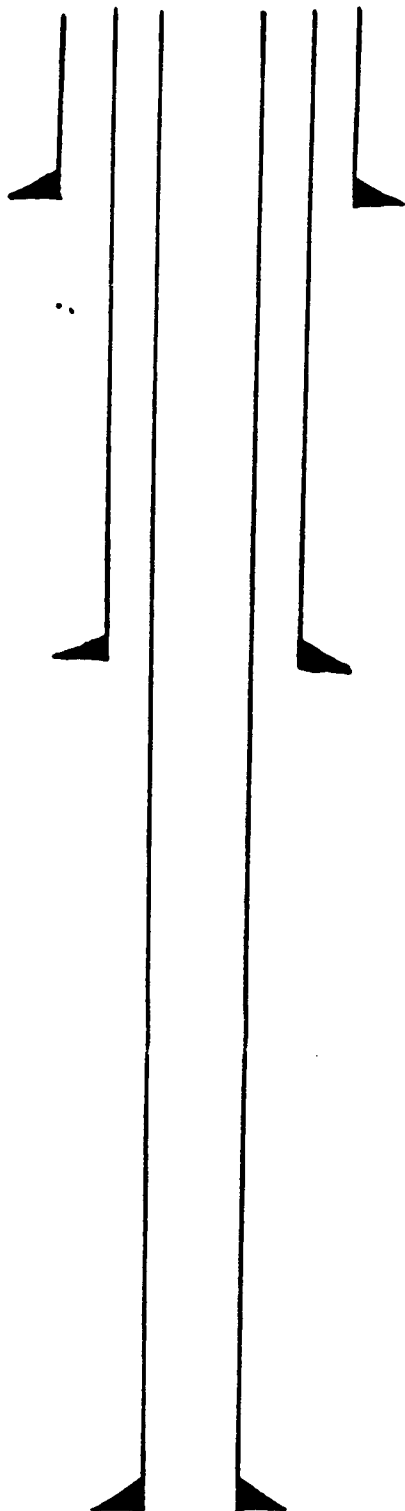
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

PRESENT

DOWNHOLE SCHEMATIC

Ratherford Unit # 19W21
RKB Elevation 4729'
RKB Correction 11'



Surface Casing: 13-3/8" @ 176'

Intermediate Casing: 8-5/8" @ 1447'

TOC: 4790' Calc
Tubing: 2-3/8" Duoline
Packer: 5-1/2" Otis Interlock @ 4995'

Perforations: 5460'-72' 5509'-12'
5476'-80'
5484'-88'
5490'-5502'
5505'-07'

PBTD: 5536'

Production Casing: 5-1/2", 14#, K-55 @ 5663'

Production Liner:

PROPOSED

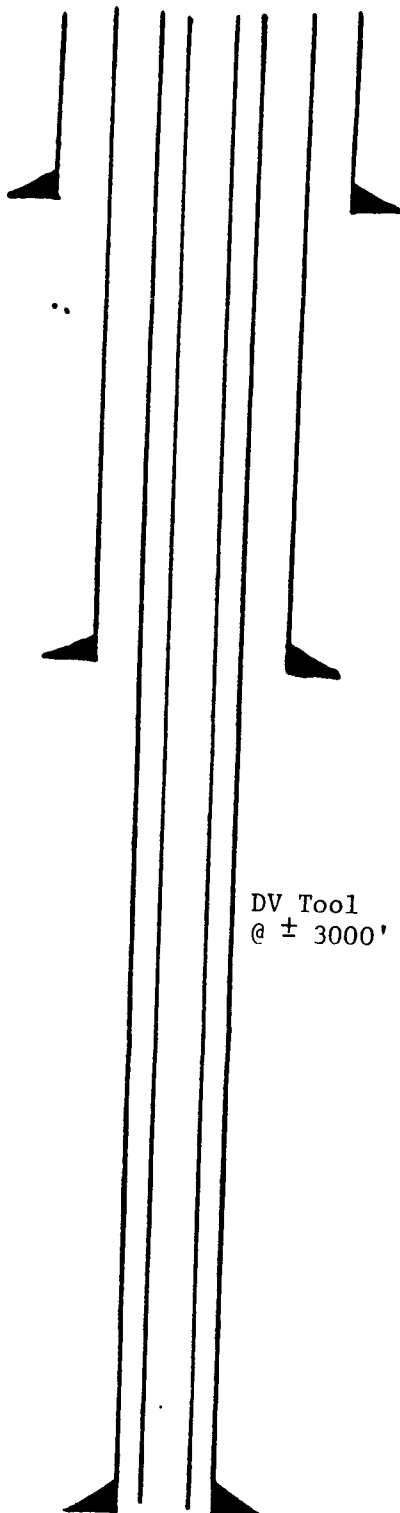
DOWNHOLE SCHEMATIC

Ratherford Unit #
RKB Elevation
RKB Correction

19W21

4729'

11'



DV Tool
@ \pm 3000'

Surface Casing: 13-3/8" @ 176'

Intermediate Casing: 8-5/8" @ 1447'

TOC: Surface

Tubing: 2-3/8" Duoline

Packer: 4" Arrow Set I

Perforations: 5460'-72'

5476'-80'

5484'-88'

5490'-5502'

5505'-5512'

PBTD: 5530'

Production Casing: 5-1/2", 14#, K-55 @ 5663'

Production Liner: 4", 11.6# @ 5536'

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

RECEIVED
JUN 14 1991

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other Water Injection

2. Name of Operator

Phillips Petroleum Company

3. Address and Telephone No.

300 W. Arrington, Suite 200, Farmington, NM 87401 (505) 599-3412

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

660' FNL & 1860' FWL
Sec. 19, T41S, R24E

5. Lease Designation and Serial No.
14-20-603-353

6. If Indian Allottee or Tribe Name

Navajo Tribal

7. If Unit or CA. Agreement Designation

SW-I-4192

8. Well Name and No.

Ratherford Unit No. 19W2

9. API Well No.

43 037-15741

10. Field and Pool, or Exploratory Area

Greater Aneth

11. County or Parish, State

San Juan, Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other Clean Out & Stimulate	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

April 16, 1991 thru April 23, 1991

MI & RU service unit 4/16/91. ND WH, NU BOP. Released Baker 5-1/2" interlock pkr and COOH w/167 jts 2-3/8" Rice Duo-lined tbg and pkr. PU 4-3/4" bit and 5-1/2" csg scraper and 158 jts 2-3/8" work string. Drilled to 5470'. COOH. PU 3-7/8" bit and 4" csg. scraper. TIH and drilled to 5536'. Flowed down well, COOH w/tbg. pkr. and scraper. PU 5-1/2", R-3 pkr. TIH and set pkr @ 5275'. RU Dowell and tested lines to 4000 psi. Est. inj. rate, pumped 4000 gals 28% gelled acid w/100 sealers and additives overdisplaced w/50 bbls H2O, avg. 1850 @ 4 BPM. Released pkr, pumped 20 bbls water down tbg. COOH LD workstring (167 jts 2-3/8" tbg). PU 5-1/2" Otis interlock on-off tool, ran tbg drifting barrier rings. Tested tbg. to 3000 psi - okay. Set pkr @ 5261'. Tested annulus to 1100 psi - okay. Pull off of packer on-off tool, circ. packer fluid. ND BOP's, NU WH. Pressure csg. to 1080 psi, ran 45 min. MIT test using chart recorder - okay. Bleed off pressure, run in hole. w/sandline and knock plug out of pkr. POOH w/sandline. RD and move off location. Put well back on injection.

14. I hereby certify that the foregoing is true and correct

Signed L. E. Robinson

Title Sr. Drlg. & Prod. Engr.

ACCEPTED FOR RECORD

Date

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

FARMINGTON RESOURCE AREA

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

OPERATOR

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.

SUBMIT IN TRIPLICATE

RECEIVED
JUN 14 1991

1. Type of Well
☐ Oil Well ☐ Gas Well ☐ Other W1W

2. Name of Operator
Phillips Petroleum Company

3. Address and Telephone No.
5525 Hwy 64 NBU 3004, Farmington, NM 87401 (505) 599-3412

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
660' FSL & 1860' FEL
Sec. 19, T42S, R24E
41

5. Lease Designation and Serial No.

14-20-603-353

6. If Indian, Allottee or Tribe Name

Navajo Tribal

7. If Unit or CA, Agreement Designation

Ratherford Unit

SW-I-4192

8. Well Name and No.

Ratherford Unit #19W21

9. API Well No.

43-037-15741

10. Field and Pool, or Exploratory Area

Greater Aneth

11. County or Parish, State

San Juan, Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other UIC pressure test
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

5-9-91

ND tbg spool to bradenhead. Replace R-49 ring. NU tbg spool to bradenhead. Replace ball valve & bull plug on bradenhead. Pressure test 5-1/2" x 2-3/8" annulus 1100 psi for 15 min. - good. Release pkr, space out @ 4995'. Displace 5-1/2" x 2-3/8" annulus w/pkr fluid. Remove gland nuts & hold down bolts, R & R same, re-install & lock down slip bowl. Pressure test (UIC) 5-1/2" x 2-3/8" annulus 45 min. as below:

Initial Pressure - 1200 psi

Final Pressure - 1150 psi

PU injection line/filter system to tbg. Put well on injection @ 1600 hours.

Prior Inj. Rate - 120 BWPd @ 2675 psi

Post Inj. Rate - 177 BWPd @ 2575 psi

cc: 5 - BLM, 2 - Utah O&G, 1 - EPA, San Francisco, 1-EPA, Window Rock, 1-Chieftain, 1-Mobil 1-Texaco, 1-PPCo, Houston, 1-PPCo, Farmington, P. J. Konkell

14. I hereby certify that the foregoing is true and correct

Signed A. E. Robinson
I. P. Robinson

Title Sr. Drlg. & Prod. Engr.

Date 6-11-91

(This space for Federal or State office use)

Approved by _____

Title _____

Date _____

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993RECEIVED
BLM1. Lease Designation and Serial No.
14-20-603-353

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
☐ Oil Well ☐ Gas Well ☒ Other **Water Injector**

2. Name of Operator
Phillips Petroleum Company

3. Address and Telephone No.
5525 Hwy 64 NBU 3004, Farmington, NM 87401 (505) 599-3412

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
**660' FNL & 1860' FWL
Sec. 19, T41S, R24E**

6. If Indian, Allottee or Tribe Name
Navajo Tribal7. If Unit or CA, Agreement Designation
**Ratherford Unit
SW-I-4192**8. Well Name and No.
Ratherford 19W219. API Well No.
43-037-1574110. Field and Pool, or Exploratory Area
Greater Aneth11. County or Parish, State
San Juan, Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other
- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion or Completion or Recompletion Report and Log to)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

This well was shut-in 5/24/91 until casing integrity can be established by running a 4" flush joint liner. The well has developed a small amount of annular pressure. Past experience indicates that these leaks produce small amounts of fluid into the casing but requires excessive pressure to pump into, therefore a cement squeeze will not be performed.

It is proposed that the existing 5-1/2" casing be perforated @ 1500' (53' below surface casing shoe) and Class G cement be circulated to surface. This will meet P&A requirements for the future.

The 4" liner would be run from \pm 5536' to surface. The liner would be cemented in 2 stages with 50/50 (G:Poz) cement, the DV tool will be at \pm 3000'. The well will be perforated from 5460'-5512' OA, and stimulated with 3500 gallons of 15% HCl acid. The injection packer will be set at \pm 5410', an MIT (1000 psi for 30 minutes) will be performed, and the well will be returned to injection. Forty-eight hour notice will be given prior to cementing the surface casing shoe, the 4" liner, and performing the MIT.

5-BLM, Farmington 1-EPA, San Francisco 1-P. J. Konkell
2-Utah, O&G 1-EPA, Window Rock 1-Farmington - RC

14. I hereby certify that the foregoing is true and correct

Signed L. E. Robinson
L. E. Robinson
(This space for Federal or State office use)Approved by _____
Conditions of approval, if any:

Sr. Drilg. & Prod. Engr.

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 7-26-91

BY: J. A. Matthews

APPROVED 5-31-91

Date

JUN 18 1991

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statement or representations as to any matter within its jurisdiction.

*See instruction on Reverse Side

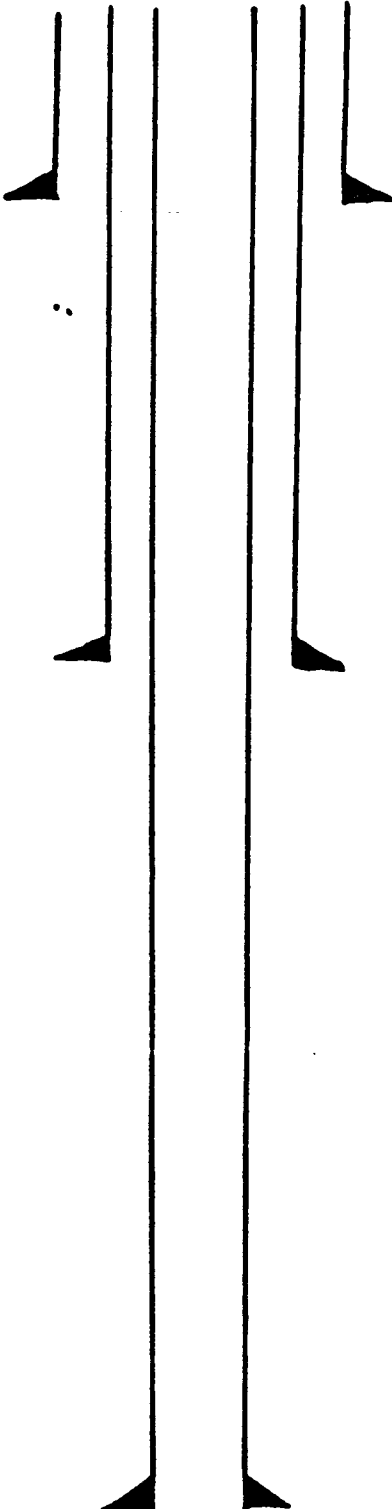
OPERATOR

AREA MANAGER
FARMINGTON RESOURCE AREA

PRESENT

DOWNHOLE SCHEMATIC

Ratherford Unit # 19W21
RKB Elevation 4729'
RKB Correction 11'



Surface Casing: 13-3/8" @ 176'

Intermediate Casing: 8-5/8" @ 1447'

TOC: 4790' Calc

Tubing: 2-3/8" Duoline

Packer: 5-1/2" Otis Interlock @ 4995'

Perforations:	<u>5460'-72'</u>	<u>5509'-12'</u>
	<u>5476'-80'</u>	<u> </u>
	<u>5484'-88'</u>	<u> </u>
	<u>5490'-5502'</u>	<u> </u>
	<u>5505'-07'</u>	<u> </u>

PBTD: 5536'

Production Casing: 5-1/2", 14#, K-55 @ 5663'

Production Liner:

RECEIVED

JUL 15 1991

DIVISION OF
OIL GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993
RECEIVED
BLM

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☐ Other

WIW

2. Name of Operator

Phillips Petroleum Company

3. Address and Telephone No

5525 Hwy 64 NBU 3004, Farmington, NM 87401 (505) 899-8222

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

660' FSL & 1860' FEL
Sec. 19, T4S, R24E

Lease Designation and Serial No.

14-20-603-353

Indian, A Notice or Tribe Name

7/11/91

Navajo Tribal

7. If Unit or CA, Agreement Designation

Ratherford Unit
SW-I-4192

8. Well Name and No.

Ratherford Unit #19W21

9. API Well No.

43-037-15741

10. Field and Pool, or Exploratory Area

Greater Aneth

11. County or Parish, State

San Juan, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Other	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

5-9-91

ND tbq spool to bradenhead. Replace R-49 ring. NU tbq spool to bradenhead. Replace ball valve & bull plug on bradenhead. Pressure test 5-1/2" x 2-3/8" annulus 1100 psi for 15 min. - good. Release pkr, space out @ 4995'. Displace 5-1/2" x 2-3/8" annulus w/pkr fluid. Remove gland nuts & hold down bolts, R & R same, re-install & lock down slip bowl. Pressure test (UIC) 5-1/2" x 2-3/8" annulus 45 min. as below:

Initial Pressure - 1200 psi

Final Pressure - 1150 psi

PU injection line/filter system to tbq. Put well on injection @ 1600 hours.

Prior Inj. Rate - 120 BWPD @ 2675 psi

Post Inj. Rate - 177 BWPD @ 2575 psi

cc: 5 - BLM, 2 - Utah O&G, 1 - EPA, San Francisco, 1-EPA, Window Rock, 1-Chieftain, 1-Mobil 1-Texaco, 1-PPCo, Houston, 1-PPCo, Farmington, P. J. Konkel

14. I hereby certify that the foregoing is true and correct

Signed J. E. Robinson

Title Sr. Drlg. & Prod. Engr.

Date 6-11-91

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

Date _____

ACCEPTED FOR RECORD

JUN 24 1991

Title 18 U.S.C. Section 1004, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

OPERATOR

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT—" for such proposals.

SUBMIT IN TRIPLICATE

JAN 13 1992

DIVISION OF
OIL, GAS & MINING1. Type of Well
☐ Oil Well ☐ Gas Well ☒ Other Injection

2. Name of Operator

Phillips Petroleum Company

3. Address and Telephone No.

5525 Hwy 64 NBU 3004, Farmington, NM 87401 (505) 599-3412

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

660' FNL & 1860' FWL
Sec. 19, T41S, R24E

5. Lease Designation and Serial No.

14-20-603-353

6. If Indian, Allottee or Tribe Name

Navajo Tribal

7. If Unit or CA, Agreement Designation

Ratherford Unit
SW-I-4192

8. Well Name and No.

Ratherford Unit #19W21

9. API Well No.

43-037-15741

10. Field and Pool, or Exploratory Area

Greater Aneth

11. County or Parish, State

San Juan, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐
- Notice of Intent
-
- ☐
- Subsequent Report
-
- ☐
- Final Abandonment Notice

TYPE OF ACTION

- ☐
- Abandonment
-
- ☐
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-
- ☐
- Plugging Back
-
- ☐
- Casing Repair
-
- ☐
- Altering Casing
-
- ☐
- Other
-
- ☐
- Change of Plans
-
- ☐
- New Construction
-
- ☐
- Non-Routine Fracturing
-
- ☐
- Water Shut-Off
-
- ☐
- Conversion to Injection
-
- ☐
- Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

10-29-91 thru 11-25-91

MI & RU MWS #31. COOH w/injection equipment. Perforated csg @ 1600' and laid 20 sx Class G cmt plug across inj. interval. Set cmt retainer @ 1514'. RU Dowell. Pmpd 67 bbls Class G cmt and displaced w/5.3 bbls wtr. RD Dowell. Drilled out cmt retainer & cmt. RU Schlumberger and ran waterflow log from 1530'. No flow. RD Schlumberger. Bit slid out of csg in injection interval. RU Dowell and pmpd 50 sx C1 G cmt and displaced w/28 bbls wtr to cmt deviation out of csg. Pressured tbg to 750 psi. Drilled cmt 5273'-5465'. Milled to 5536'. Circulated well clean. RU to run 4" csg liner w/shoe @ 5529', float collar @ 5487' and DV tool @ 3018'. RU Dowell and pmpd w/10 bbls mud flush, 5 bbls wtr, 75 sx 35/65 Poz, 30 sx C1 G and displaced w/62.5 bbls wtr. Bumped plug w/1000 psi. Stage 2 pmpd 10 bbls mud flush, 4 bbls wtr, 100 sx 35/65 Poz. Shut down & dropped plug, displaced w/34.5 bbls wtr. Bumped plug & closed DV tool w/2500 psi. RD Dowell. Drilled cmt and plug to 5489'. Circ. hole clean. RU Petro Wireline and ran GRL. Perf'd w/3" csg gun, 2 jspf from 5460'-5512'. RD Petro Wireline. TIH w/tapered mill & reamed out DV tool @ 3018'. W/pkr @ 5360' tested annulus to 1000 psi. RU Howco and pmpd 4000 gals 28% HCl and displaced w/50 bbls wtr @ 2850 psi, 4.3 bpm. ISIP 787 psi, 15 minutes 556 psi. RU and swabbed total 190 bbls fluid. Ran 2-3/8" Rice Duolined tbg & set @ 5429. Tested tbg to 3000 psi & csg to 1000 psi. ND BOP & NU WH. PT annulus to 1080 psi for 45 min. for MIT test, okay. Expelled tbg test plug & returned well to injection.

14. I hereby certify that the foregoing is true and correct

Signed J. P. Robinson
J. P. RobinsonTitle Sr. Drlg. & Prod. Engr.Date 1-9-92

(This space for Federal or State office use)

Approved by _____

Title _____

Date _____

Conditions of approval, if any: _____

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

Page 1 of 10

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

P J KONKEL
PHILLIPS PETROLEUM COMPANY
5525 HWY 64 NBU 3004
FARMINGTON NM 87401

RECEIVED

AUG 16 1993

ACCOUNT NUMBER: N0772

REPORT PERIOD (MONTH/YEAR):

6 / 93

DIVISION OF
OIL, GAS & MININGAMENDED REPORT ☐ (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
#21-23								
4303713754	06280	41S 24E 21	DSCR	POW	29	1374	883	58
#3-44								
4303715031	06280	41S 24E 3	DSCR	POW	30	111	94	2905
#3-14								
4303715124	06280	41S 24E 3	DSCR	POW	30	67	23	302
#9-12								
4303715126	06280	41S 24E 9	DSCR	POW	30	112	654	17363
#9-14								
4303715127	06280	41S 24E 9	DSCR	POW	30	201	315	423
#28-12								
4303715336	06280	41S 24E 28	PRDX	POW	29	112	47	2428
#29-12								
4303715337	06280	41S 24E 29	PRDX	POW	29	56	0	672
#29-32								
4303715339	06280	41S 24E 29	DSCR	POW	29	1402	287	2224
#29-34								
4303715340	06280	41S 24E 29	DSCR	POW	29	757	48	0
#30-32								
4303715342	06280	41S 24E 30	DSCR	POW	29	588	1049	3744
#3-12								
4303715620	06280	41S 24E 3	DSCR	POW	30	268	11	363
#9-34								
4303715711	06280	41S 24E 9	DSCR	POW	30	45	46	9800
#10-12								
4303715712	06280	41S 24E 10	DSCR	POW	30	45	23	1088
TOTALS						5138	3480	41370

COMMENTS: Effective July 1, 1993, Phillips Petroleum Company has sold its interest in the
Ratherford Unit to Mobil Exploration and Producing U.S., Incorporated, P. O. Box
633, Midland, Texas 79702. Mobil assumed operations on July 1, 1993.

I hereby certify that this report is true and complete to the best of my knowledge.

Date: 8/11/93

Name and Signature: PAT KONKEL

Pat Konkell

Telephone Number: 505 599-3452

STATE OF UTAH
DIVISION OF OIL, GAS AND MININGPage 1 of 1

MONTHLY OIL AND GAS DISPOSITION REPORT

OPERATOR NAME AND ADDRESS:

L B Sheffield~~BRIAN BERRY~~~~M E P N A MOBIL~~~~POB 219031 1807A RENTWY~~ *P.O. DRAWER 6*~~DALLAS TX 75221-9031~~ *CORTEZ, Co. 81321*UTAH ACCOUNT NUMBER: N7370REPORT PERIOD (MONTH/YEAR): 7 / 93AMENDED REPORT ☐ (Highlight Changes)*X931006 updated.
Jic*

ENTITY NUMBER	PRODUCT	GRAVITY	BEGINNING INVENTORY	VOLUME PRODUCED	DISPOSITIONS				ENDING INVENTORY
		BTU			TRANSPORTED	USED ON SITE	FLARED/VENTED	OTHER	
05980	OIL			177609	177609	0			
	GAS			72101	66216	5885			
11174	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
	OIL								
	GAS								
TOTALS				249710	243825	5885			

RECEIVED

SEP 13 1993

DIVISION OF
OIL, GAS & MINING

COMMENTS:

*PLEASE NOTE ADDRESS change. Mobil ~~ASU~~ PRODUCTION REPORTS
will be compiled and sent from the Cortez, Co. office
IN THE FUTURE.*

I hereby certify that this report is true and complete to the best of my knowledge.

Date: 9/5/93

Name and Signature:

Lwell B Sheffield

Telephone Number:

*303 865 2212
244 158 2528*

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS <small>(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)</small>		3. LEASE DESIGNATION & SERIAL NO. 6. IF INDIAN ALLOTTEE OR TRIBE NAME NAVAJO TRIBAL															
1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT AGREEMENT NAME RATHERFORD UNIT															
2. NAME OF OPERATOR MOBIL OIL CORPORATION		8. FARM OR LEASE NAME 															
3. ADDRESS OF OPERATOR P. O. BOX 633 MIDLAND, TX 79702		9. WELL NO. 															
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface At proposed prod. zone		10. FIELD AND POOL, OR WILDCAT GREATER ANETH															
14. API NO. 		15. ELEVATIONS (Show whether DF, RT, GR, etc.) 															
12. COUNTY SAN JUAN		13. STATE UTAH															
16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data																	
NOTICE OF INTENTION TO: <table style="width: 100%;"> <tr> <td>TEST WATER SHUT-OFF <input type="checkbox"/></td> <td>FULL OR ALTER CASING <input type="checkbox"/></td> </tr> <tr> <td>FRACTURE TREAT <input type="checkbox"/></td> <td>MULTIPLE COMPLETE <input type="checkbox"/></td> </tr> <tr> <td>SHOOT OR ACIDIZE <input type="checkbox"/></td> <td>ABANDON <input type="checkbox"/></td> </tr> <tr> <td>REPAIR WELL <input type="checkbox"/></td> <td>CHANGE PLANS <input type="checkbox"/></td> </tr> </table> (Other) _____		TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>	REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	SUBSEQUENT REPORT OF: <table style="width: 100%;"> <tr> <td>WATER SHUT-OFF <input type="checkbox"/></td> <td>REPAIRING WELL <input type="checkbox"/></td> </tr> <tr> <td>FRACTURE TREATMENT <input type="checkbox"/></td> <td>ALTERING CASING <input type="checkbox"/></td> </tr> <tr> <td>SHOOTING OR ACIDIZING <input type="checkbox"/></td> <td>ABANDONMENT* <input type="checkbox"/></td> </tr> </table> (Other) <u>CHANGE OF OPERATOR</u> <small>(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</small>		WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>																
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>																
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>																
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FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>																
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>																
APPROX. DATE WORK WILL START _____		DATE OF COMPLETION _____															

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

* Must be accompanied by a cement verification report.

AS OF JULY1, 1993, MOBIL OIL CORPORATION IS THE OPERATOR OF THE RATHERFORD UNIT.
ATTACHED ARE THE INDIVIDUAL WELLS.

3. I hereby certify that the foregoing is true and correct.

SIGNED Shirley Todd TITLE ENV. & REG TECHNICIAN DATE 9-8-93

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
 CONDITIONS OF APPROVAL, IF ANY: _____

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

OCT 25 1993

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

Well name and number: _____	
Field or Unit name: <u>RATHERFORD UNIT</u>	API no. _____
Well location: QQ _____ section _____ township _____ range _____ county _____	
Effective Date of Transfer: <u>July 1, 1993</u>	
CURRENT OPERATOR	
Transfer approved by:	
Name <u>Ed Hasely</u>	Company <u>Phillips Petroleum Company</u>
Signature <u>Ed Hasely</u>	Address <u>5525 HWY. 64</u>
Title <u>Environmental Engineer</u>	<u>Farmington, NM 87401</u>
Date <u>October 22, 1993</u>	Phone (<u>505</u>) <u>599-3460</u>
Comments:	
NEW OPERATOR	
Transfer approved by:	
Name <u>Shirley Todd</u>	Company <u>Mobil Exploration & Producing North America</u>
Signature <u>Shirley Todd</u>	Address <u>P O Box 633</u>
Title <u>Env. & Reg. Technician</u>	<u>Midland, TX 79702</u>
Date <u>October 7, 1993</u>	Phone (<u>915</u>) <u>688-2585</u>
Comments:	
(State use only)	
Transfer approved by <u>[Signature]</u>	Title <u>WEC Manager</u>
Approval Date <u>10-27-93</u>	

Lisha Cordova (801) 538-5340

BEFORE THE OIL AND GAS CONSERVATION COMMISSION OF THE STATE OF UTAH

APPLICATION OF PHILLIPS PETROLEUM)
 COMPANY FOR THE APPROVAL OF THE)
 UNIT OPERATIONS AND PRESSURE MAIN-) CAUSE NO. 63
 TENANCE PROGRAM FOR THE RATHERFORD)
 UNIT IN THE GREATER ANETH AREA,)
 SAN JUAN COUNTY, UTAH)

ORDER

This Cause came on for hearing before the Oil and Gas Conservation Commission of the State of Utah at 10 o'clock a. m. on Wednesday, September 13, 1961, in the Crystal Room, Hotel Newhouse, Fourth South at Main Street, Salt Lake City, Utah, pursuant to notice duly and regularly given. The entire Commission, except Walter G. Mann, was present, Edward W. Clyde presiding. Appearances were made as follows: Cecil C. Hamilton, attorney, on behalf of Phillips Petroleum Company; Clair M. Senior, attorney, on behalf of Texaco, Inc.; Gordon Mayberry, attorney, on behalf of Continental Oil Company; R. R. Robison on behalf of Shell Oil Company. Others present included Carl Trawick, on behalf of United States Geological Survey; and J. R. White, on behalf of Texaco, Inc.

Evidence in support of the application was introduced by Phillips Petroleum Company, the applicant and Unit Operator of the Ratherford Unit, which embraces as the unit area the following described land in San Juan County, State of Utah, to wit:

TOWNSHIP 41 SOUTH, RANGE 23 EAST, SEEN

Section 1:	All	Sections 12 and 13:	All
Section 2:	E/2	Section 14:	S/2
Section 11:	E/2	Section 24:	All

TOWNSHIP 41 SOUTH, RANGE 24 EAST, SEEN

Section 3:	SW/4	Sections 15	
Section 4:	S/2	through 21:	All
Sections 5 through 9:	All	Section 22:	NE/4 and
Section 10:	S/2 and NE/4		E/2 of the
	and W/2 of NE/4		SW/4
Section 11:	S/2 of SW/4	Section 23:	NE/4 and
			E/2 of NE/4
Section 14:	E/2		and W/2 of SW/4
		Section 29 and 30:	All
		Section 31:	E/2
		Section 32:	E/2

R. R. Robison on behalf of Shell Oil Company stated that (as contemplated by paragraph No. 5 of the Commission's order of February 24, 1959, in Cause No. 17 authorizing the drilling of certain test wells) Shell would submit to the Commission, as arbiter, the question as between Shell and Superior Oil Company

of the monetary value, if any, to be attributed to three test wells drilled within the Ratherford Unit area pursuant to said order of February 24, 1959.

No objection to the granting of the application was filed or expressed. The Shell Oil Company, Texaco, Inc. and Continental Oil Company expressed their support of the application of Phillips Petroleum Company.

FINDINGS OF FACT

The Commission finds that:

1. The unitized operation of the Ratherford Unit Area will enable pressure maintenance operations to be initiated and permit such Area to be operated in a manner which will prevent waste, protect correlative rights and result in greater ultimate recovery of oil and gas.

2. The Ratherford Unit Agreement has been approved by the various signatory parties as fair, reasonable and acceptable.

3. The water injection pressure maintenance program proposed by the applicant appears to be proper and designed to result in the greatest economic recovery of oil and gas to the end that all concerned, including the general public, may realize and enjoy the greatest good from the oil and gas resources of the unitized lands.

ORDER

THEREFORE, IT IS ORDERED BY THE COMMISSION, and subject to its continuing jurisdiction, that:

1. Unit operation of the Ratherford Unit Area under the Ratherford Unit Agreement is approved.

2. The plan and program of water injection pressure maintenance operations proposed by applicant in its application filed herein should be and the same is hereby approved and the unit operator is authorized to proceed with and under such plan and program as soon as the Ratherford Unit Agreement becomes effective and operative.

3. If, at any time or from time to time, it appears necessary or desirable to the unit operator to alter or modify the hereby approved plan of pressure maintenance, any such alteration or modification shall be submitted for

and shall be subject to approval by the Commission or its delegated representative, which approval may be given without notice or hearing, unless otherwise ordered or directed by the Commission.

Dated this 13th day of September, 1961.

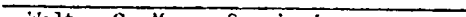
THE OIL AND GAS CONSERVATION
COMMISSION OF THE STATE OF UTAH


Edward W. Clyde, Commissioner presiding


C. R. Henderson, Chairman


M. V. Hatch, Commissioner


C. S. Thomson, Commissioner


Walter G. Mann, Commissioner

Sept 29, 1993

TO: Lisha Cordova - Utah Mining
Oil & Gas

FROM: Janice Easley
BLM Farmington, NM
505 599-6355

Here is copy of Rutherford Unit
Successor Operator,

4 pages including this one.

file ratherford Unit (GC)

RECEIVED
BLM

JUL 27 AM 11:44

Navajo Area Office
P. O. Box 1060
Gallup, New Mexico 87305-1060

070 FARMINGTON, NM

ARES/543

JUL 26 1993

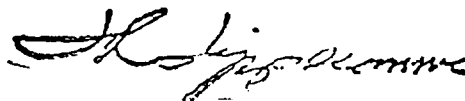
Mr. G. D. Cox
Mobil Exploration and
Producing North America, Inc.
P. O. Box 633
Midland, Texas 79702

Dear Mr. Cox:

Enclosed for your information and use is the approved Designation of Operator between the Phillips Petroleum Company and Mobil Exploration and Producing North America, Inc. for the Ratherford Unit.

Please note that all other concerned parties will be furnished their copy of the approved document.

Sincerely,



ACTING Area Director

Enclosure

cc: Bureau of Land Management, Farmington District Office w/enc.
TNN, Director, Minerals Department w/enc.

MINERALS DEPARTMENT
NO. 192
DATE
FILE
3
2
ALL COPY
FILE

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF INDIAN AFFAIRS

DESIGNATION OF OPERATOR

RECEIVED
BLM

Phillips Petroleum Company is, on the records of the Bureau of Indian Affairs, operator of the Ratherford Unit,

AREA OFFICE: Window Rock, Arizona
LEASE NO: Attached hereto as Exhibit "A"

070 FARMINGTON, NM

and, pursuant to the terms of the Ratherford Unit Agreement, is resigning as Unit Operator effective July 1, 1993, and hereby designates

NAME: Mobil Exploration and Producing North America Inc., duly elected pursuant to the terms of the Ratherford Unit Agreement,

ADDRESS: P. O. Box 633, Midland, Texas 79702
Attn: G. D. Cox

as Operator and local agent, with full authority to act on behalf of the Ratherford Unit lessees in complying with the terms of all leases and regulations applicable thereto and on whom the authorized officer may serve written or oral instructions in securing compliance with the Operating Regulations (43 CFR 3160 and 25 CFR 211 and 212) with respect to (described acreage to which this designation is applicable):

Attached hereto as Exhibit "A"

Bond coverage under 25 CFR 211, 212 or 225 for lease activities conducted by the above named designated operator is under Bond Number 05202782 (attach copy). Evidence of bonding is required prior to the commencement of operations.

It is understood that this designation of operator does not relieve any lessee of responsibility for compliance with the terms of the leases and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the leases.

In case of default on the part of the designated operator, the lessees will make full and prompt compliance with all regulations, lease terms, stipulations, or orders of the Secretary of the Interior or his representative.

Attached is the appropriate documentation relevant to this document.

The designated operator agrees to promptly notify the authorized officer of any change in the operatorship of said Ratherford Unit.

Phillips Petroleum Company

June 17, 1993

By: M. B. [Signature]
Attorney-in-Fact

Mobil Exploration and Producing
North America Inc.

June 11, 1993

By: B. D. [Signature]
Attorney-in-Fact B.D. MARTINY

[Signature] ACTING AREA DIRECTOR
APPROVED BY TITLE DATE
7/9/93

APPROVED PURSUANT, TO SECRETARIAL REDELEGATION ORDER 209 DM 8 AND 230 DM 3.

This form does not constitute an information collection as defined by 44 U.S.C. 3502 and therefore does not require OMB approval.

EXHIBIT "A"

ATTACHED TO AND MADE A PART OF DESIGNATION OF SUCCESSOR OPERATOR, RATHERFORD UNIT

EXHIBIT "C"

Revised as of September 29, 1992
SCHEDULE OF TRACT PERCENTAGE PARTICIPATION

<u>Tract Number</u>	<u>Description of Land</u>	<u>Serial Number and Effective Date of Lease</u>	<u>Tract Percentage Participation</u>
1	S/2 Sec. 1, E/2 SE/4 Sec. 2, E/4 Sec. 11, and all of Sec. 12, T-41-S, R-23-E, S.L.M. San Juan County, Utah	14-20-603-246-A Oct. 5, 1953	11.0652565
2	SE/4 and W/2 SW/4 Sec. 5, the irregular SW/4 Sec. 6, and all of Sec. 7 and 8, T-41-S, R-24-E, San Juan County, Utah	14-20-603-368 Oct. 26, 1953	14.4159942
3	SW/4 of Sec. 4, T-41-S, R-24-E, San Juan County, Utah	14-20-603-5446 Sept. 1, 1959	.5763826
4	SE/4 Sec. 4, and NE/4 Sec. 9, T-41-S, R-24-E, San Juan County, Utah	14-20-603-4035 March 3, 1958	1.2587779
5	SW/4 of Sec. 3, T-41-S, R-24-E, S.L.M., San Juan County, Utah	14-20-603-5445 Sept. 3, 1959	.4667669
6	NW/4 of Sec. 9, T-41-S, R-24-E, S.L.M., San Juan County, Utah	14-20-603-5045 Feb. 4, 1959	1.0187043
7	NW/4, W/2 NE/4, and SW/4 Sec. 10, SE/4 Sec. 9, T-41-S, R-24-E, San Juan County, Utah	14-20-603-4043 Feb. 18, 1958	3.5097575
8	SW/4 Sec. 9, T-41-S, R-24-E, S.L.M. San Juan County, Utah	14-20-603-5046 Feb. 4, 1959	1.1141679
9	SE/4 Sec. 10 and S/2 SW/4 Sec. 11 T-41-S, R-24-E, San Juan County, Utah	14-20-603-4037 Feb. 14, 1958	2.6186804
10	All of Sec. 13, E/2 Sec. 14, and E/2 SE/4 and N/2 Sec. 24, T-41-S, R-23-E, S.L.M., San Juan County, Utah	14-20-603-247-A Oct. 5, 1953	10.3108861
11	Sections 17, 18, 19 and 20, T-41-S, R-24-E, San Juan County Utah	14-20-603-353 Oct. 27, 1953	27.3389265
12	Sections 15, 16, 21, and NW/4, and W/2 SW/4 Sec. 22, T-41-S, R-24-E, San Juan County, Utah	14-20-603-355 Oct. 27, 1953	14.2819339
13	W/2 Section 14, T-41-S, R-24-E, San Juan County, Utah	14-20-603-370 Oct. 26, 1953	1.8500847
14	N/2 and SE/4, and E/2 SW/4 Sec. 29, NE/4 and E/2 SE/4 and E/2 W/2 irregular Sec. 30, and E/2 NE/4 Sec. 32, T-41-S, R-24-E, San Juan County, Utah	14-20-603-407 Dec. 10, 1953	6.9924969
15	NW/4 Sec. 28, T-41-S, R24-E San Juan County, Utah	14-20-603-409 Dec. 10, 1953	.9416393
16	SE/4 Sec. 3, T-41-S, R-24-E San Juan County, Utah	14-20-0603-6504 July 11, 1961	.5750254
17	NE/4 Sec. 3, T-41-S, R-24-E San Juan County, Utah	14-20-0603-6505 July 11, 1961	.5449292
18	NW/4 Sec. 3, T-41-S, R-24-E San Juan County, Utah	14-20-0603-6506 July 11, 1961	.5482788
19	NE/4 Sec. 4, T-41-S, R24-E San Juan County, Utah	14-20-0603-7171 June 11, 1962	.4720628
20	E/2 NW/4 Sec. 4, T-41-S, R-24-E San Juan County, Utah	14-20-0603-7172 June 11, 1962	.0992482

Division of Oil, Gas and Mining
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

☐ Well File _____

☐ Suspense
(Return Date) _____
(To - Initials) _____

☒ Other
OPERATOR CHANGE

(Location) Sec. _____ Twp. _____ Rng. _____
(API No.) _____

1. Date of Phone Call: 10-6-93 : Time: 9:30

2. DOGM Employee (name) L. CORDOVA (Initiated Call ☒
Talked to:

Name GLEN COX (Initiated Call ☐ - Phone No. (915) 688-2114

of (Company/Organization) MOBIL

3. Topic of Conversation: OPERATOR CHANGE FROM PHILLIPS TO MOBIL "RATHERFORD UNIT".

(NEED TO CONFIRM HOW OPERATOR WANTS THE WELLS SET UP - MEPNA AS PER BIA APPROVAL

OR MOBIL OIL CORPORATION AS PER SUNDRY DATED 9-8-93?)

4. Highlights of Conversation: _____

MR. COX CONFIRMED THAT THE WELLS SHOULD BE SET UNDER ACCOUNT N7370/MEPNA AS

PER BIA APPROVAL, ALSO CONFIRMED THAT PRODUCTION & DISPOSITION REPORTS WILL NOW
BE HANDLED OUT OF THEIR CORTEZ OFFICE RATHER THAN DALLAS.

MEPNA-

PO DRAWER G

CORTEZ, CO 81321

(303) 565-2212

*ADDRESS CHANGE AFFECTS ALL WELLS CURRENTLY OPERATED BY MEPNA, CURRENTLY
REPORTED OUT OF DALLAS (MCELMO CREEK).

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1-VLC/47-93
2-DTS/58-93
3-VLC
4-RJF
5-IEC
6-PL

Attach all documentation received by the division regarding this change.
Initial each listed item when completed. Write N/A if item is not applicable.

☒ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 7-1-93)

TO (new operator) <u>M E P N A</u>	FROM (former operator) <u>PHILLIPS PETROLEUM COMPANY</u>
(address) <u>PO DRAWER G</u>	(address) <u>5525 HWY 64 NBU 3004</u>
<u>CORTEZ, CO 81321</u>	<u>FARMINGTON, NM 87401</u>
<u>GLEN COX (915)688-2114</u>	<u>PAT KONKEL</u>
phone <u>(303)565-2212</u>	phone <u>(505)599-3452</u>
account no. <u>N7370</u>	account no. <u>N0772(A)</u>

Well(s) (attach additional page if needed): ***RATHERFORD UNIT (NAVAJO)**

Name: **SEE ATTACHED**	API: <u>43-037-15741</u>	Entity: _____	Sec _____	Twsp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twsp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twsp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twsp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twsp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twsp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twsp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- See 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Ref. 8-20-93) (6/93 Prod. Rpt. 8-16-93)
- See 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (Ref. 8-31-93) (Rec'd 9-14-93)
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) _____ If yes, show company file number: _____.
- See 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- See 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (026 wells 10-6-93) (Wiw's 10-26-93)
- See 6. Cardex file has been updated for each well listed above. (026 wells 10-6-93) (Wiw's 10-26-93)
- See 7. Well file labels have been updated for each well listed above. (026 wells 10-6-93) (Wiw's 10-26-93)
- See 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (10-6-93)
- See 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- ☒ 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

- ☒ 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- N/A 2. A copy of this form has been placed in the new and former operators' bond files.
3. The former operator has requested a release of liability from their bond (yes/no) . Today's date 19 . If yes, division response was made by letter dated 19 .

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 19 , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- N/A 2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

- ☒ 1. All attachments to this form have been microfilmed. Date: 11-17 1993.

FILING

- ☒ 1. Copies of all attachments to this form have been filed in each well file.
- ☒ 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

931006 BIA/Btm Approved 7-9-93.

19W-22	43-037-15741	14-20-603-353	SEC. 19, T41S, R24E	NE/NW 660' FNL 1860' FWL
19-22	43-037-31046	14-20-603-353	SEC. 19, T41S, R24E	SE/NW 1840' FNL; 1980' FWL
19W-23	43-037-15742	14-20-603-353	SEC. 19, T41S, R24E	NE/SW 2080' FSL; 1860' FWL
19-31	43-037-31047	14-20-603-353	SEC. 19, T41S, R24E	NW/NE 510' FNL; 1980' FEL
19-32	43-037-15743	14-20-603-353	SEC. 19, T41S, R24E	SW/NE 1980' FNL; 1980' FEL
19-33	43-037-31048	14-20-603-353	SEC. 19, T41S, R24E	NW/SE 1980' FSL; 1980' FEL
19-34	43-037-15744	14-20-603-353	SEC. 19, T41S, R24E	SW/SE 660' FSL; 1980' FEL
19W-41	43-037-15745	14-20-603-353	SEC. 19, T41S, R24E	NE/NE 660' FNL; 660' FEL
19-42	43-037-30916	14-20-603-353	SEC. 19, T41S, R24E	SE/NE 1880' FNL, 660' FEL
19W-43	43-037-16420	14-20-603-353	SEC. 19, T41S, R24E	NE/SE 1980' FSL; 760' FEL
19-44	43-037-31081	14-20-603-353	SEC. 19, T41S, R24E	SE/SE 660' FSL; 660' FEL
19-97	43-037-31596	14-20-603-353	SEC. 19, T41S, R24E	2562' FNL, 30' FEL
20-11	43-037-31049	14-20-603-353	SEC. 20, T41S, R24E	NW/NW 500' FNL; 660' FWL
20-12	43-037-15746	14-20-603-353	SEC. 20, T41S, R24E	1980' FNL, 660' FWL
20-13	43-037-30917	14-20-603-353	SEC. 20, T41S, R24E	NW/SW 2140' FSL, 500' FWL
20-14	43-037-15747	14-20-603-353	SEC. 20, T41S, R24E	660' FSL; 660' FWL
20W-21	43-037-16423	14-20-603-353	SEC. 20, T41S, R24E	660' FNL; 1880' FWL
20-22	43-037-30930	14-20-603-353	SEC. 20, T41S, R24E	SE/NW 2020' FNL; 2090' FWL
20W-23	43-037-15748	14-20-603-353	SEC. 20, T41S, R24E	NW/SW 2080; 2120' FWL
20-24	43-037-30918	14-20-603-353	SEC. 20, T41S, R24E	SE/SW 820' FSL; 1820' FWL
20-31	43-037-31050	14-20-603-353	SEC. 20, T41S, R24E	NW/NE 660' FNL; 1880' FEL
20-32	43-037-15749	14-20-603-353	SEC. 20, T41S, R24E	SW/NE 1980' FNL, 1980' FEL
20-33	43-037-30931	14-20-603-353	SEC. 20, T41S, R24E	NW/SE 1910' FSL; 2140' FEL
20-34	43-037-15750	14-20-603-353	SEC. 20, T41S, R24E	660' FSL; 1850' FEL
20W-41	43-037-15751	14-20-603-353	SEC. 20, T41S, R24E	NE/NE 660' FNL; 660' FEL
20-42	43-037-31051	14-20-603-353	SEC. 20, T41S, R24E	SE/NE 1980' FNL; 660' FEL
20W-43	43-037-16424	14-20-603-353	SEC. 20, T41S, R24E	2070' FSL; 810' FEL
20-44	43-037-30915	14-20-603-353	SEC. 20, T41S, R24E	SE/SE 620' FSL; 760' FEL
20-66	43-037-31592	14-20-603-353	SEC. 20, T41S, R24E	SW/NW 1221' FWL; 1369' FNL
21-11	43-037-31052	14-20-603-355	SEC. 21, T41S, R24E	NW/NW 660' FNL; 660' FWL
21-12	43-037-15752	14-20-603-355	SEC. 21, T41S, R24E	2080' FNL; 660' FWL
21-13	43-037-30921	14-20-603-355	SEC. 21, T41S, R24E	NW/SW 2030' FSL; 515' FWL
21-14	43-037-15753	14-20-603-355	SEC. 21, T41S, R24E	SW/SW 660' FSL; 460' FWL
21W-21	43-037-16425	14-20-603-355	SEC. 21, T41S, R24E	NE/NW 660' FNL; 2030' FWL
21-32	43-037-15755	14-20-603-355	SEC. 21, T41S, R24E	SW/NE 1880' FNL; 1980' FEL
21-33	NA	14-20-603-355	SEC. 21, T41S, R24E	2000' FSL; 1860' FEL
21-34	43-037-15756	14-20-603-355	SEC. 21, T41S, R24E	SW/SE 660' FSL; 1980' FEL
21W-41	43-037-16426	14-20-603-355	SEC. 21, T41S, R24E	660' FNL; 810' FEL
21W-43	43-037-16427	14-20-603-355	SEC. 21, T41S, R24E	NE/NE 1980' FSL; 660' FEL
24-11	43-037-15861	14-20-603-247A	SEC. 24, T41S, R24E	510' FNL; 810' FWL
24W-21	43-037-16429	14-20-603-247	SEC. 24, T41S, R24E	4695' FSL; 3300' FEL
24W-43	43-037-16430	14-20-603-247	SEC. 24, T41S, R24E	2080' FSL; 660' FEL
24-31W	43-037-15862	14-20-603-247A	SEC. 24, T41S, R24E	NW/NE 560' FNL; 1830' FEL
24-32	43-037-31593	14-20-603-247A	SEC. 24, T41S, R24E	SW/NE 2121' FNL; 1846' FEL
24-41	43-037-31132	14-20-603-247A	SEC. 24, T41S, R24E	NE/NE 660' FNL; 710' FEL
24W-42	43-037-15863	14-20-603-247A	SEC. 24, T41S, R24E	660' FSL; 1980' FNL
28-11	43-037-30446	14-20-603-409	SEC. 28, T41S, R24E	NW/NW 520' FNL; 620' FWL
28-12	43-037-15336	14-20-603-409B	SEC. 28, T41S, R24E	SW/SE/NW 2121' FNL; 623' FWL
29-11	43-037-31053	14-20-603-407	SEC. 29, T41S, R24E	NW/NW 770' FNL; 585' FWL
29W-21	43-037-16432	14-20-603-407	SEC. 29, T41S, R24E	NE/NW 667' FNL; 2122' FWL
29-22	43-037-31082	14-20-603-407	SEC. 29, T41S, R24E	SE/NW 2130' FNL; 1370' FWL
29W-23	43-037-15338	14-20-603-407	SEC. 29, T41S, R24E	NE/SW 1846' FSL; 1832' FWL
29-31	43-037-30914	14-20-603-407	SEC. 29, T41S, R24E	NW/NE 700' FNL; 2140' FEL
29-32	43-037-15339	14-20-603-407	SEC. 29, T41S, R24E	1951' FNL; 1755' FEL
29-33	43-037-30932	14-20-603-407	SEC. 29, T41S, R24E	NW/SE 1860' FSL; 1820' FEL
29-34	43-037-15340	14-20-603-407	SEC. 29, T41S, R24E	817' FSL; 2096' FEL
29W-41	43-037-16433	14-20-603-407	SEC. 29, T41S, R24E	557' FNL; 591' FEL
29W-42	43-037-30937	14-20-603-407	SEC. 29, T41S, R24E	SE/NE 1850' FNL; 660' FEL
29W-43	43-037-16434	14-20-603-407	SEC. 29, T41S, R24E	NE/SE 1980' FSL; 660' FEL
30-21W	43-037-16435	14-20-603-407	SEC. 30, T41S, R24E	660' FNL; 1920' FWL
30-32	43-037-15342	14-20-603-407	SEC. 30, T41S, R24E	SW/NE 1975' FNL; 2010' FEL
30W-41	43-037-15343	14-20-603-407	SEC. 30, T41S, R24E	NE/NE 660' FNL; 660' FEL
3-34	NA 4303715711	NA 14206034043	NA SEC. 9, T. 41S, R. 24E	NA SWSE 660' FSL 1980' FEL
12-43	43-307-31202	14-20-603-246	SEC. 12, T41S, R23E	2100' FSL; 660' FEL
12W31	43-037-15847	14-20-603-246	SEC. 12, T41S, R23E	661' FNL; 1981' FEL
13W24	43-037-15853	14-20-603-247	SEC. 13, T41S, R23E	SE/SW 660' FSL; 3300' FEL
15W23	43-037-16412	14-20-603-355	SEC. 15, T41S, R24E	2140' FSL; 1820' FWL
17-24	43-037-31044	14-20-603-353	SEC. 17, T41S, R24E	SE/SW 720' FSL; 1980' FWL
18-13	43-037-15734	14-20-603-353	SEC. 18, T41S, R24E	NW/NW 1980' FSL; 500' FWL
18W32	43-037-15736	14-20-603-353	SEC. 18, T41S, R24E	SW/NE 2140' FNL; 1830' FEL
20-68	43-037-31591	14-20-603-353	SEC. 20, T41S, R24E	NW/SW 1276' FWL; 1615' FSL
21-23	43-037-13754	14-20-603-355	SEC. 21, T41S, R24E	NE/SW 1740' FSL 1740' FWL
28W21	43-037-16431	14-20-603-409	SEC. 29, T41S, R24E	660' FNL; 2022' FWL

PAID

PAID

PAID

PAID

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT - " for such proposals

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

5. Lease Designation and Serial No.

14-20-603-353

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation

RATHERFORD UNIT

8. Well Name and No.

RATHERFORD UNIT 19W-21

9. API Well No.

43-037-15741

10. Field and Pool, or exploratory Area

GREATER ANETH

11. County or Parish, State

SAN JUAN,

UT

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other

2. Name of Operator

MOBIL EXPLORATION & PRODUCING US, AS AGENT FOR MEPNA

3. Address and Telephone No.

P. O. BOX 633, MIDLAND, TX 79702

(915) 688-2585

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

660' FNL, 1860' FWL; SEC 19, T41S, R24E

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other ACIDIZE
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

09/20/93 MIRU. RIH W/COIL TBG & WASH F/5429-5526. CIRC & COND. HOLE. ACDZ W/2000 GALS 15% HCL ACROSS PERF INTERVALS 5460-72', 5476-80', 5484-88', &5502-12'. FLOW BACK LOAD & RETURN WELL TO INJECTION. RDMO.

14. I hereby certify that the foregoing is true and correct

Signed D. Irino for Shirley Jodel Title ENV. & REG. TECHNICIAN

Date 04/26/94

(This space for Federal or State office use)

Approved by _____ Title _____

Conditions of approval, if any:

Date fax credit

PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

☐ **Well File** _____

☐ **Suspense**

☒ **Other**

(Return Date) _____

OPER NM CHG _____

(Location) Sec _____ Twp _____ Rng _____

(To - Initials) _____

(API No.) _____

1. Date of Phone Call: 8-3-95 Time: _____

2. DOGM Employee (name) L. CORDOVA (Initiated Call ☐)
Talked to:

Name R. J. FIRTH (Initiated Call ☒) - Phone No. () _____

of (Company/Organization) _____

3. Topic of Conversation: M E P N A / N7370

4. Highlights of Conversation: _____

OPERATOR NAME IS BEING CHANGED FROM M E P N A (MOBIL EXPLORATION AND PRODUCING

NORTH AMERICA INC) TO MOBIL EXPLOR & PROD. THE NAME CHANGE IS BEING DONE AT

THIS TIME TO ALLEVIATE CONFUSION, BOTH IN HOUSE AND AMONGST THE GENERAL PUBLIC.

*SUPERIOR OIL COMPANY MERGED INTO M E P N A 4-24-86 (SEE ATTACHED).

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

1- <u>LVC</u>	7- <u>PL</u>
2- <u>LWP</u>	8- <u>SJ</u>
3- <u>DES</u>	9- <u>FILE</u>
4- <u>VLC</u>	
5- <u>RJF</u>	
6- <u>LWP</u>	

- ☐ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☒ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 8-2-95)

TO (new operator) MOBIL EXPLOR & PROD
 (address) C/O MOBIL OIL CORP
PO DRAWER G
CORTEZ CO 81321
 phone (303) 564-5212
 account no. N7370

FROM (former operator) M E P N A
 (address) C/O MOBIL OIL CORP
PO DRAWER G
CORTEZ CO 81321
 phone (303) 564-5212
 account no. N7370

Well(s) (attach additional page if needed):

Name: ** SEE ATTACHED **	API: <u>037-15741</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- N/A 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form).
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: _____.
- N/A 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- Yes 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (8-3-95)
- LWP 6. Cardex file has been updated for each well listed above. 8-21-95
- LWP 7. Well file labels have been updated for each well listed above. 9-28-95
- Yes 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (8-3-95)
- Yes 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Le 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only) ** No Fee Lease Wells at this time!*

- N/A Le 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- ___ 2. A copy of this form has been placed in the new and former operators' bond files.
- ___ 3. The former operator has requested a release of liability from their bond (yes/no) ___. Today's date _____ 19___. If yes, division response was made by letter dated _____ 19__.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A UTS 8/5/95 1. (Rule R615-2-10) The former operator/lessee of any **fee lease** well listed above has been notified by letter dated _____ 19__, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- N/A 2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

- ✓ 1. All attachments to this form have been microfilmed. Date: October 4 1995.

FILING

- ___ 1. Copies of all attachments to this form have been filed in each well file.
- ___ 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

950803 UIC F5/Not necessary!

STATE OF UTAH
INVENTORY OF INJECTION WELLS

OPERATOR	API NO.	WELL	TNS	RGE	SE	WELLTYPE	INDIAN COUNT
*****	*****	*****	***	***	**	*****	*****
✓MEPNA (MOBIL	43-037-15722	16W23	41S	24E	16	INJW	Y
✓MEPNA (MOBIL	43-037-16414	16W21	41S	24E	16	INJW	Y
✓MEPNA (MOBIL	43-037-16416	17W21	41S	24E	17	INJW	Y
✓MEPNA (MOBIL	43-037-15726	17W12	41S	24E	17	INJW	Y
✓MEPNA (MOBIL	43-037-15731	17W41	41S	24E	17	INJW	Y
✓MEPNA (MOBIL	43-037-16417	17W43	41S	24E	17	INJW	Y
✓MEPNA (MOBIL	43-037-15728	17W23	41S	24E	17	INJW	Y
✓MEPNA (MOBIL	43-037-15730	17W34	41S	24E	17	INJW	Y
✓MEPNA (MOBIL	43-037-15729	17W32	41S	24E	17	INJW	Y
✓MEPNA (MOBIL	43-037-15727	17W14	41S	24E	17	INJW	Y
✓MEPNA (MOBIL	43-037-31153	18W12	41S	24E	18	INJW	Y
✓MEPNA (MOBIL	43-037-15737	18W34	41S	24E	18	INJW	Y
✓MEPNA (MOBIL	43-037-15736	18W32	41S	24E	18	INJW	Y
✓MEPNA (MOBIL	43-037-30244	18W23	41S	24E	18	INJW	Y
✓MEPNA (MOBIL	43-037-15735	18W14	41S	24E	18	INJW	Y
✓MEPNA (MOBIL	43-037-16418	18W21	41S	24E	18	INJW	Y
✓MEPNA (MOBIL	43-037-15738	18W41	41S	24E	18	INJW	Y
✓MEPNA (MOBIL	43-037-15741	19W21	41S	24E	19	INJW	Y
✓MEPNA (MOBIL	43-037-15742	19W23	41S	24E	19	INJW	Y
✓MEPNA (MOBIL	43-037-15745	19W41	41S	24E	19	INJW	Y
✓MEPNA (MOBIL	43-037-16420	19W43	41S	24E	19	INJW	Y
✓MEPNA (MOBIL	43-037-15748	20W23	41S	24E	20	INJW	Y
✓MEPNA (MOBIL	43-037-15751	20W41	41S	24E	20	INJW	Y
✓MEPNA (MOBIL	43-037-16423	20W21	41S	24E	20	INJW	Y
✓MEPNA (MOBIL	43-037-16424	20W43	41S	24E	20	INJW	Y
✓MEPNA (MOBIL	43-037-16427	21W43	41S	24E	21	INJW	Y
✓MEPNA (MOBIL	43-037-16425	21W21	41S	24E	21	INJW	Y
✓MEPNA (MOBIL	43-037-16431	28W21	41S	24E	28	INJI	Y
✓MEPNA (MOBIL	43-037-16433	29W41	41S	24E	29	INJW	Y
✓MEPNA (MOBIL	43-037-16432	29W21	41S	24E	29	INJW	Y
✓MEPNA (MOBIL	43-037-15338	29W23	41S	24E	29	INJI	Y
✓MEPNA (MOBIL	43-037-16434	29W43	41S	24E	29	INJW	Y
✓MEPNA (MOBIL	43-037-15343	30-41	41S	24E	30	INJW	Y
✓MEPNA (MOBIL	43-037-16435	30W21	41S	24E	30	INJI	--

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT - " for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
☐ Oil Well ☐ Gas Well ☒ Other

2. Name of Operator **MOBIL PRODUCING TX & NM INC.***
***MOBIL EXPLORATION & PRODUCING US INC. AS AGENT FOR MPTM**

3. Address and Telephone No.
P.O. Box 633, Midland TX 79702 (915) 688-2585

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SEC. 19, T41S, R24E
(NE/NW) 660' FNL & 1860' FWL

5. Lease Designation and Serial No.
14-20-603-353

6. If Indian, Allottee or Tribe Name
NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation
RATHERFORD UNIT

8. Well Name and No.
RATHERFORD 19W-21

9. API Well No.
43-037-15741

10. Field and Pool, or exploratory Area
GREATER ANETH

11. County or Parish, State
SAN JUAN UT

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
- ☐ Subsequent Report
- ☐ Final Abandonment Notice

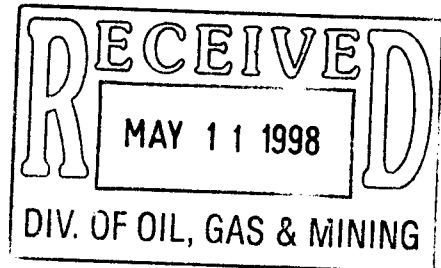
TYPE OF ACTION

- ☐ Abandonment
- ☐ Recompletion
- ☐ Plugging Back
- ☐ Casing Repair
- ☐ Altering Casing
- ☒ Other **MIT TESTS**
- ☐ Change of Plans
- ☐ New Construction
- ☐ Non-Routine Fracturing
- ☐ Water Shut-Off
- ☐ Conversion to Injection
- ☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

SEE ATTACHED MIT AND CHART.



14. I hereby certify that the foregoing is true and correct

Signed *Shirley Houchins* Title **SHIRLEY HOUCHINS/ENV & REG TECH** Date **5-13-98**

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

* See Instruction on Reverse Side

ANNULAR PRESSURE TEST
(Mechanical Integrity Test)

Operator Mobil E. & P., Inc. Date of Test 3-24-97
Well Name ~~W-21~~ RU # 19W-21 EPA Permit No. _____
Location Sec. 19, T41S-R24E Tribal Lease No. 14-20-603-353
State and County San Juan County, Utah

Continuous Recorder? YES ☒ NO ☐ Pressure Gauge? YES ☒ NO ☐
Bradenhead Opened? YES ☒ NO ☐ Fluid Flow? YES ☐ NO ☒

<u>TIME</u>	<u>ANNULUS PRESSURE, psi</u>	<u>TUBING PRESSURE, psi</u>
<u>2:30</u>	<u>1170</u>	<u>+3000</u>
<u>2:35</u>	<u>1165</u>	<u>+3000</u>
<u>2:40</u>	<u>1160</u>	<u>+3000</u>
<u>2:50</u>	<u>1160</u>	<u>+3000</u>
<u>3:00</u>	<u>1160</u>	<u>+3000</u>

MAX. INJECTION PRESSURE: _____ PSI
MAX. ALLOWABLE PRESSURE CHANGE: _____ PSI (TEST PRESSURE X 0.05)
REMARKS: Passed? Failed? If failed, cease injection until well passes MIT (40CFR§144.21(c)(6)).

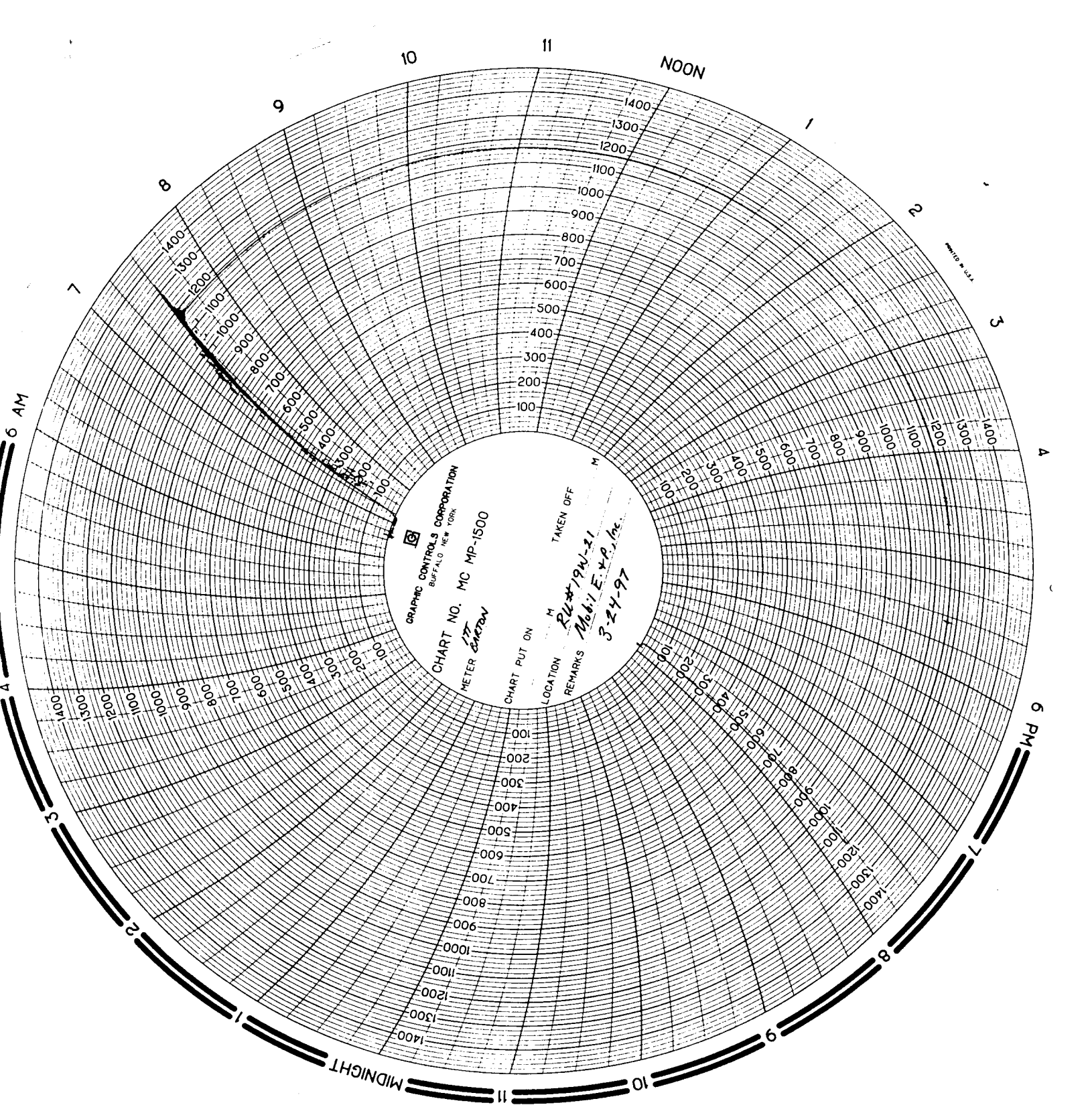
PASSED M.I.T.

Fritz Johnson

COMPANY REPRESENTATIVE: (Print and Sign)
Melvin Capitan Jr.

INSPECTOR: (Print and Sign)

3-24-97
DATE
3-24-97
DATE



ExxonMobil Production Company
U.S. West
P.O. Box 4358
Houston, Texas 77210-4358

June 27, 2001

ExxonMobil
Production

Mr. Jim Thompson
State of Utah, Division of Oil, Gas and Mining
1549 West North Temple
Suite 1210
Salt Lake City, UT 84114-5801

Change of Name – Mobil Oil Corporation to
ExxonMobil Oil Corporation

Dear Mr. Thompson

Effective June 1, 2001, Mobil Oil Corporation (MOC) changed its name to ExxonMobil Oil Corporation (EMOC). This was a name change only; EMOC is the same corporation as Mobil Oil Corporation, but with a new name. No facility or other asset was transferred from one corporation to another by virtue of the name change. Specifically, EMOC will remain the owner and operator of its existing exploration and production oil and gas properties and facilities, as well as relevant permits.

There is no change to the name of Exxon Mobil Corporation, the ultimate shareholder of EMOC.

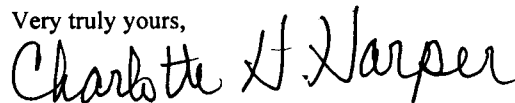
Please note the change of name of MOC to ExxonMobil Oil Corporation in your records pertaining to any MOC permits.

The Federal Identification Number for MOC (13-5401570) will remain the same for EMOC.

A copy of the Certification, Bond Rider and a list of wells are attached.

If you have any questions please feel free to call Joel Talavera at 713-431-1010

Very truly yours,



Charlotte H. Harper
Permitting Supervisor

ExxonMobil Production Company
a division of Exxon Mobil Corporation,
acting for ExxonMobil Oil Corporation

RECEIVED

JUN 29 2001

DIVISION OF
OIL, GAS AND MINING



IN REPLY REFER TO:

United States Department of the Interior

BUREAU OF INDIAN AFFAIRS

Navajo Area Office

NAVAJO REGION

P.O. Box 1060

Gallup, New Mexico 87305-1060

AUG 30 2001

RRES/543

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Charlotte H. Harper, Permitting Supervisor
Exxon Mobil Production Company
U. S. West
P. O. Box 4358
Houston, TX 77210-4358

Dear Ms. Harper:

This is to acknowledge receipt of your company's name change from Mobil Oil Corporation to ExxonMobil Oil Corporation effective June 1, 2001. The receipt of documents includes the Name Change Certification, current listing of Officers and Directors, Listing of Leases, Financial Statement, filing fees of \$75.00 and a copy of the Rider for Bond Number 8027 31 97. There are no other changes.

Please note that we will provide copies of these documents to other concerned parties. If you need further assistance, you may contact Ms. Bertha Spencer, Realty Specialist, at (928) 871-5938.

Sincerely,

GEMINI DENETSONE

Regional Realty Officer

cc: BLM, Farmington Field Office w/enclosures ✓
Navajo Nation Minerals Office, Attn: Mr. Akhtar Zaman, Director/w enclosures

MINERAL RESOURCES	
ADM 1	<i>DB/MC</i>
NATV AMIN COORD	
SOLID MIN TEAM	
PETROCHEM TEAM	<i>2</i>
O & G INSPECT TEAM	
ALL TEAM LEADERS	
LAND RESOURCES	
ENVIRONMENT	
FILES	

ExxonMobil Production Company
U.S. West
P.O. Box 4358
Houston, Texas 77210-4358

7/12/2001

SH

543

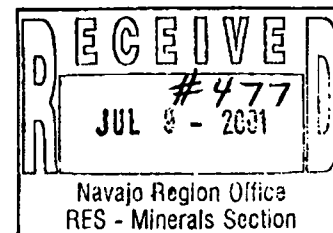
File

June 27, 2001

ExxonMobil
Production

Certified Mail
Return Receipt Requested

Ms. Genni Denetsone
United States Department of the Interior
Bureau of Indian Affairs, Navajo Region
Real Estate Services
P. O. Box 1060
Gallup, New Mexico 87305-1060
Mail Code 543



Change of Name -
Mobil Oil Corporation to
ExxonMobil Oil Corporation

Dear Ms. Denetsone:

Effective June 1, 2001, Mobil Oil Corporation (MOC) changed its name to ExxonMobil Oil Corporation (EMOC). This was a name change only; EMOC is the same corporation as Mobil Oil Corporation, but with a new name. No facility or other asset was transferred from one corporation to another by virtue of the name change. Specifically, EMOC will remain the owner and operator of its existing exploration and production oil and gas properties and facilities, as well as relevant permits.

There is no change to the name of Exxon Mobil Corporation, the ultimate shareholder of EMOC.

Please note the change of name of MOC to ExxonMobil Oil Corporation in your records pertaining to any MOC permits.

The Federal Identification Number for MOC (13-5401570) will remain the same for EMOC.

Attached is the Name Change Certification, Current listing of Officers and Directors, Filing Fee of \$75/-. Listing of Leases, Financial Statement and a copy of the Rider for Bond number 8027 31 97. The original Bond Rider has been sent to Ms. Barbar Davis at your Washington Office.

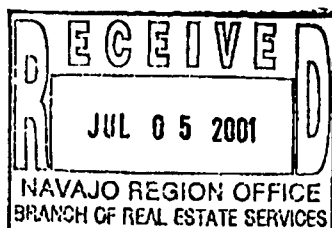
If you have any questions, please contact Alex Correa at (713) 431-1012.

Very truly yours,

Charlotte H. Harper

Charlotte H. Harper
Permitting Supervisor

Attachments



ExxonMobil Production Company
a division of Exxon Mobil Corporation,
acting for ExxonMobil Oil Corporation

NOTE: Check forwarded to Ella Isaac

Bureau of Indian Affairs
Navajo Region Office
Attn: RRES - Mineral and Mining Section
P.O. Box 1060
Gallup, New Mexico 87305-1060

Gentlemen:

The current listing of officers and director of ExxonMobil Oil Corporation (Name of Corporation), of New York (State) is as follows:

OFFICERS

President	<u>F.A. Risch</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Vice President	<u>K.T. Koonce</u>	Address <u>800 Bell Street Houston, TX 77002</u>
Secretary	<u>F.L. Reid</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Treasure	<u>B.A. Maher</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>

DIRECTORS

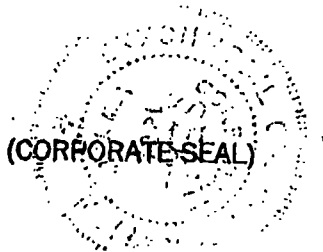
Name	<u>D.D. Humphreys</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>P.A. Hanson</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>T.P. Townsend</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>B.A. Maher</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>F.A. Risch</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>


Sincerely,



Alex Correa

This is to certify that the above information pertaining to ExxonMobil Oil Corporation (Corporation) is true and correct as evidenced by the records and accounts covering business for the State of Utah and in the custody of Corporation Service Company (Agent), Phone: 1 (800) 927-9800 whose business address is One Utah Center, 201 South Main Street, Salt Lake City, Utah 84111-2218




Signature
AGENT AND ATTORNEY IN FACT
Title

SAL

CERTIFICATION

I, the undersigned Assistant Secretary of ExxonMobil Oil Corporation. (formerly Mobil Oil Corporation), a corporation organized and existing under the laws of the State of New York, United States of America, DO HEREBY CERTIFY, That, the following is a true and exact copy of the resolutions adopted by the Board of Directors on May 22, 2001:

CHANGE OF COMPANY NAME

WHEREAS, the undersigned Directors of the Corporation deem it to be in the best interest of the Corporation to amend the Certificate of Incorporation of the Corporation to change the name and principal office of the Corporation:

NOW THEREFORE BE IT RESOLVED, That Article 1st relating to the corporate name is hereby amended to read as follows:

"1st The corporate name of said Company shall be,

ExxonMobil Oil Corporation",

FURTHER RESOLVED, That the amendment of the Corporation's Certificate of Incorporation referred to in the preceding resolutions be submitted to the sole shareholder of the Corporation entitled to vote thereon for its approval and, if such shareholder gives its written consent, pursuant to Section 803 of the Business Corporation Law of the State of New York, approving such amendment, the proper officers of the Corporation be, and they hereby are, authorized to execute in the name of the Corporation the Certificate of Amendment of Certificate of Incorporation, in the form attached hereto;

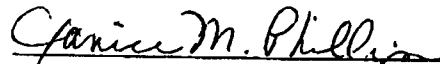
FURTHER RESOLVED, That the proper officers of the Corporation be and they hereby are authorized and directed to deliver, file and record in its behalf, the Certificate of Amendment of Certificate of Incorporation, and to take such action as may be deemed necessary or advisable to confirm and make effective in all respects the change of this Company's name to EXXONMOBIL OIL CORPORATION.

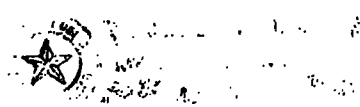
WITNESS, my hand and the seal of the Corporation at Irving, Texas, this 8th day of June, 2001.


Assistant Secretary

COUNTY OF DALLAS)
STATE OF TEXAS)
UNITED STATES OF AMERICA)

Sworn to and subscribed before me at Irving, Texas, U. S. A. on this the 8th day of June, 2001.


Notary Public



LISTING OF LEASES OF MOBIL OIL CORPORATION

Lease Number

- 1) 14-20-0603-6504
- 2) 14-20-0603-6505
- 3) 14-20-0603-6506
- 4) 14-20-0603-6508
- 5) 14-20-0603-6509
- 6) 14-20-0603-6510
- 7) 14-20-0603-7171
- 8) 14-20-0603-7172A
- 9) 14-20-600-3530
- 10) 14-20-603-359
- 11) 14-20-603-368
- 12) 14-20-603-370
- 13) 14-20-603-370A
- 14) 14-20-603-372
- 15) 14-20-603-372A
- 16) 14-20-603-4495
- 17) 14-20-603-5447
- 18) 14-20-603-5448
- 19) 14-20-603-5449
- 20) 14-20-603-5450
- 21) 14-20-603-5451

6/1/01

CHUBB GROUP OF INSURANCE COMPANIES

One Chubb Place, Suite 1900, Houston, Texas 77027-3301
Tel: (713) 297-4600 • Fax: (713) 297-4750

NW Bond

FEDERAL INSURANCE COMPANY RIDER
to be attached to and form a part of

BOND NO 8027 31 97

wherein

Mobil Oil Corporation and Mobil Exploration and Producing U.S., Inc. is
named as Principal and

FEDERAL INSURANCE COMPANY AS SURETY,

in favor of United States of America, Department of the Interior
Bureau of Indian Affairs

in the amount of \$150,000.00

bond date: 11/01/65

IT IS HEREBY UNDERSTOOD AND AGREED THAT effective June 1, 2001
the name of the Principal is changed

FROM: Mobil Oil Corporation and Mobil Exploration and Producing U.S., Inc.

TO : ExxonMobil Oil Corporation

All other terms and conditions of this Bond are unchanged.

Signed, sealed and dated this 12th of June, 2001.

ExxonMobil Oil Corporation

By :



FEDERAL INSURANCE COMPANY

By:



Mary Pierson, Attorney-in-fact



Chubb 'Surety

**POWER
OF
ATTORNEY**

**Federal Insurance Company
Vigilant Insurance Company
Pacific Indemnity Company**

**Attn.: Surety Department
15 Mountain View Road
Warren, NJ 07059**

Know All by These Presents, That **FEDERAL INSURANCE COMPANY**, an Indiana corporation, **VIGILANT INSURANCE COMPANY**, a New York corporation, and **PACIFIC INDEMNITY COMPANY**, a Wisconsin corporation, do each hereby constitute and appoint **R.F. Bobo**, **Mary Pierson**, **Philana Berros**, and **Jody E. Specht** of **Houston, Texas**-----

each as their true and lawful Attorney-in-Fact to execute under such designation in their names and to affix their corporate seals to and deliver for and on their behalf as surety thereon or otherwise, bonds and undertakings and other writings obligatory in the nature thereof (other than bail bonds) given or executed in the course of business, and any instruments amending or altering the same, and consents to the modification or alteration of any instrument referred to in said bonds or obligations.

In Witness Whereof, said FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY have each executed and attested these presents and affixed their corporate seals on this 10th day of May, 2001.

Kenneth C. Wendel
Kenneth C. Wendel, Assistant Secretary


Frank E. Robertson, Vice President

STATE OF NEW JERSEY } ss.
County of Somerset }

On this 10th day of May, 2001

to me known to be Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY, the Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY and knows the corporate seals thereof, signed said Power of Attorney as Assistant Secretary of said Companies by like authority; and that he is acquainted with Frank E. Robertson, and knows him to be Vice President of said Companies; and that the signature of Frank E. Robertson, subscribed to said Power of Attorney is in the genuine handwriting of Frank E. Robertson, and was thereto subscribed by authority of said Robert and in the presence of the deponent's presence.

Notary Public State of New Jersey
No. 2231647

Commission Expires Oct 28, 2004

Karen Price

Notary Public

Extract from the By-Laws of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY:

"All powers of attorney for and on behalf of the Company may and shall be executed in the name and on behalf of the Company, either by the Chairman or the President or a Vice President or an Assistant Vice President, jointly with the Secretary or an Assistant Secretary, under their respective designations. The signature of such officers may be engraved, printed or lithographed. The signature of each of the following officers: Chairman, President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary and the seal of the Company may be affixed by facsimile to any power of attorney or to any certificate relating thereto appointing Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such power of attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding upon the Company with respect to any bond or undertaking to which it is attached."

I, Kenneth C. Wendel, Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY (the "Companies") do hereby certify that

- (i) the foregoing extract of the By-Laws of the Companies is true and correct,
(ii) the Companies are duly licensed and authorized to transact surety business in all 50 of the United States of America and the District of Columbia and are authorized by the U. S. Treasury Department; further, Federal and Vigilant are licensed in Puerto Rico and the U. S. Virgin Islands, and Federal is licensed in American Samoa, Guam, and each of the Provinces of Canada except Prince Edward Island; and
(iii) the foregoing Power of Attorney is true, correct and in full force and effect.

Given under my hand and seals of said Companies at Warren, NJ this 12th day of June, 2001



Kenneth C. Wood

Kenneth C. Wendel, Assistant Secretary

IN THE EVENT YOU WISH TO NOTIFY US OF A CLAIM, VERIFY THE AUTHENTICITY OF THIS BOND OR NOTIFY US OF ANY OTHER MATTER, PLEASE CONTACT US AT ADDRESS LISTED ABOVE, OR BY
Telephone (908) 903-3485 Fax (908) 903-3656 e-mail: surety@chubb.com

CSC

5184334741

06/01 '01 08:46 NO.410 03/05

CSC

06/01 '01 09:06 NO.135 02/04

F010601000187

CERTIFICATE OF AMENDMENT
OF
CERTIFICATE OF INCORPORATION
OF
MOBIL OIL CORPORATION

CSC 45

(Under Section 805 of the Business Corporation Law)

Pursuant to the provisions of Section 805 of the Business Corporation Law, the undersigned President and Secretary, respectively, of Mobil Oil Corporation hereby certify:

FIRST: That the name of the corporation is MOBIL OIL CORPORATION and that said corporation was incorporated under the name of Standard Oil Company of New York.

SECOND: That the Certificate of Incorporation of the corporation was filed by the Department of State, Albany, New York, on the 10th day of August, 1882.

THIRD: That the amendments to the Certificate of Incorporation effected by this Certificate are as follows:

(a) Article 1st of the Certificate of Incorporation, relating to the corporate name, is hereby amended to read as follows:

"1st The corporate name of said Company shall be,
ExxonMobil Oil Corporation",

(b) Article 7th of the Certificate of Incorporation, relating to the office of the corporation is hereby amended to read as follows:

The office of the corporation within the State of New York is to be located in the County of Albany. The Company shall have offices at such other places as the Board of Directors may from time to time determine.


CSC
CSC

5184334741

06/01 '01 08:47 NO.410 04/05
06/01 '01 09:06 NO.133 03/04

FOURTH: That the amendments to the Certificate of Incorporation were authorized by the Board of Directors followed by the holder of all outstanding shares entitled to vote on amendments to the Certificate of Incorporation by written consent of the sole shareholder dated May 22, 2001.

IN WITNESS WHEREOF, this Certificate has been signed this 22nd Day of May, 2001.



F. A. Risch, President

STATE OF TEXAS)
COUNTY OF DALLAS)

F. L. REID, being duly sworn, deposes and says that he is the Secretary of MOBIL OIL CORPORATION, the corporation mentioned and described in the foregoing instrument; that he has read and signed the same and that the statements contained therein are true.



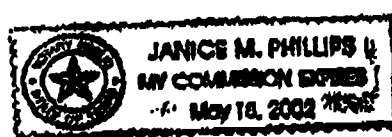
F. L. REID, Secretary

SUBSCRIBED AND SWORN TO before me, the undersigned authority, on this the 22nd day of May, 2001.

[SEAL]



NOTARY PUBLIC, STATE OF TEXAS



=> CSC

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06/01'01 08:19

CSC
CSC

5184334741

06/01 '01 09:01 NO. 411 02/02
06/01 '01 09:06 NO. 155 04/04

F010601000187

CSC 45

CERTIFICATE OF AMENDMENT

OF

MOBIL OIL CORPORATION

Under Section 805 of the Business Corporation Law

SAC

100 cc
STATE OF NEW YORK
DEPARTMENT OF STATE

Filed by: EXXONMOBIL CORPORATION
(Name)

FILED JUN 01 2001

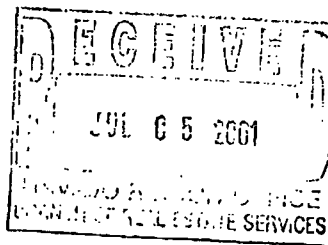
6949 Las Colinas Blvd.
(Mailing address)

TAX \$ _____
BY: *SAC*

Irving, TX 75039-2298
(City, State and Zip code)

ny Albany

Cust Ref # 165578 MPJ



010601000195

=> CSC

TEL=5184334741

06/01'01 08:19

State of New York }
Department of State } ss:

I hereby certify that the annexed copy has been compared with the original document in the custody of the Secretary of State and that the same is a true copy of said original.

Witness my hand and seal of the Department of State on **JUN 01 2001**



Special Deputy Secretary of State

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold)

Designation of Agent

X Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective: **06-01-2001**

FROM: (Old Operator):	TO: (New Operator):
MOBIL EXPLORATION & PRODUCTION	EXXONMOBIL OIL CORPORATION
Address: P O BOX DRAWER "G"	Address: U S WEST P O BOX 4358
CORTEZ, CO 81321	HOUSTON, TX 77210-4358
Phone: 1-(970)-564-5212	Phone: 1-(713)-431-1010
Account No. N7370	Account No. N1855

CA No.

Unit: **RATHERFORD****WELL(S)**

NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
RATHERFORD U 19W21	19-41S-24E	43-037-15741	6280	INDIAN	WI	A
DSRT A-26 (RATHERFORD 19W23)	19-41S-24E	43-037-15742	99990	INDIAN	WI	A
RATHERFORD U 19-32	19-41S-24E	43-037-15743	6280	INDIAN	WI	A
RATHERFORD U 19-34	19-41S-24E	43-037-15744	6280	INDIAN	WI	A
DESERT A-24 (RATHERFORD 19W41)	19-41S-24E	43-037-15745	99990	INDIAN	WI	A
DESERT A-23 (RATHERFORD 19W43)	19-41S-24E	43-037-16420	99990	INDIAN	WI	A
RATHERFORD U 20-12	20-41S-24E	43-037-15746	6280	INDIAN	WI	I
RATHERFORD U 20-14	20-41S-24E	43-037-15747	6280	INDIAN	WI	A
DESERT A-18 (RATHERFORD 20W23)	20-41S-24E	43-037-15748	99990	INDIAN	WI	A
RATHERFORD U 20-32	20-41S-24E	43-037-15749	6280	INDIAN	WI	A
RATHERFORD U 20-34	20-41S-24E	43-037-15750	6280	INDIAN	WI	A
RATHERFORD 20W41 (DESERT A-27)	20-41S-24E	43-037-15751	99990	INDIAN	WI	A
RATHERFORD 20-67	20-41S-24E	43-037-31590	6280	INDIAN	WI	A
RATHERFORD U 21-14	21-41S-24E	43-037-15753	6280	INDIAN	WI	I
RATHERFORD UNIT 21-67	21-41S-24E	43-037-31753	6280	INDIAN	WI	A
RATHERFORD UNIT 28-12	28-41S-24E	43-037-15336	6280	INDIAN	WI	A
NAVAJO A-19 (RATHERFORD 28W21)	28-41S-24E	43-037-16431	99990	INDIAN	WI	A
RATHERFORD U 29-12	29-41S-24E	43-037-15337	6280	INDIAN	WI	A
RATHERFORD U 29-32	29-41S-24E	43-037-15339	6280	INDIAN	WI	A
RATHERFORD 29W21	29-41S-24E	43-037-16432	99990	INDIAN	WI	A
NAVAJO B-5 (RATHERFORD 30W41)	30-41S-24E	43-037-15343	99990	INDIAN	WI	A
NAVAJO B-16 (RATHERFORD 30W21)	30-41S-24E	43-037-16435	99990	INDIAN	WI	I

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 06/29/2001
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 06/29/2001
3. The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 04/09/2002
4. Is the new operator registered in the State of Utah: YES Business Number: 579865-0143

5. If **NO**, the operator was contacted contacted on: N/A

6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BIA-06/01/01

7. **Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: 06/01/2001

8. **Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A

9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A
NOTE: EPA ISSUES UIC PERMIT

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 04/11/2002
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 04/11/2002
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: N/A

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: N/A

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 80273197

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number N/A
2. The **FORMER** operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: N/A

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

COMMENTS:

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

ROUTING

1. DJJ

2. CDW

X Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

6/1/2006

FROM: (Old Operator):

N1855-ExxonMobil Oil Corporation
 PO Box 4358
 Houston, TX 77210-4358
 Phone: 1 (281) 654-1936

TO: (New Operator):

N2700-Resolute Natural Resources Company
 1675 Broadway, Suite 1950
 Denver, CO 80202
 Phone: 1 (303) 534-4600

CA No.

Unit:

RATHERFORD (UIC)

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 4/21/2006
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 4/24/2006
3. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/7/2006
4. Is the new operator registered in the State of Utah: YES Business Number: 5733505-0143
5. If **NO**, the operator was contacted on: _____
- 6a. (R649-9-2) Waste Management Plan has been received on: requested
- 6b. Inspections of LA PA state/fee well sites complete on: n/a
- 6c. Reports current for Production/Disposition & Sundries on: ok
7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM n/a BIA not yet
8. **Federal and Indian Units:**
 The BLM or BIA has approved the successor of unit operator for wells listed on: not yet
9. **Federal and Indian Communization Agreements ("CA"):**
 The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 6/12/2006

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 6/22/2006
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 6/22/2006
3. Bond information entered in RBDMS on: n/a
4. Fee/State wells attached to bond in RBDMS on: n/a
5. Injection Projects to new operator in RBDMS on: 6/22/2006
6. **Receipt of Acceptance of Drilling Procedures for APD/New** on: n/a

BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: n/a
2. Indian well(s) covered by Bond Number: PA002769
3. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number n/a
- a. The **FORMER** operator has requested a release of liability from their bond on: n/a
 The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

4. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number See attached list		API Number Attached
Location of Well		Field or Unit Name Ratherford Unit
Footage: See attached list	County: San Juan	Lease Designation and Number See attached list
QQ, Section, Township, Range:	State: UTAH	

EFFECTIVE DATE OF TRANSFER: 6/1/2006

CURRENT OPERATOR

Company: Exxon Mobil Oil Corporation Name: _____
Address: PO Box 4358 Signature: _____
city Houston state TX zip 77210-4358 Title: _____
Phone: (281) 654-1936 Date: _____
Comments: Exxon Mobil has submitted a separate, signed copy of UIC Form 5

NEW OPERATOR

Company: Resolute Natural Resources Company Name: Dwight E Mallory
Address: 1675 Broadway, Suite 1950 Signature: _____
city Denver state CO zip 80202 Title: Regulatory Coordinator
Phone: (303) 534-4600 Date: 4/20/2006
Comments: A list of affected UIC wells is attached.
New bond numbers for these wells are:
BIA Bond # PA002769 and US EPA Bond # B001252

(This space for State use only)

Transfer approved by: _____
Title: Field Operations Manager

Approval Date: 6/12/06

Comments:

RECEIVED
APR 24 2006

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Unit Agreement</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: See attached list
2. NAME OF OPERATOR: Resolute Natural Resources Company <u>N2700</u>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Navajo Tribe
3. ADDRESS OF OPERATOR: 1675 Broadway, Suite 1950 CITY <u>Denver</u> STATE <u>CO</u> ZIP <u>80202</u>		7. UNIT or CA AGREEMENT NAME: Ratherford Unit
4. LOCATION OF WELL FOOTAGES AT SURFACE: <u>See attached list</u>		8. WELL NAME and NUMBER: See attached list
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <u> </u>		9. API NUMBER: Attached
COUNTY: <u>San Juan</u>		10. FIELD AND POOL, OR WILDCAT: Greater Aneth
STATE: <u>UTAH</u>		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective June 1, 2006 Exxon Mobil Oil Corporation resigns as operator of the Ratherford Unit. Also effective June 1, 2006 Resolute Natural Resources Company is designated as successor operator of the Ratherford Unit.

A list of affected producing and water source wells is attached. A separate of affected injection wells is being submitted with UIC Form 5, Transfer of Authority to Inject.

As of the effective date, bond coverage for the affected wells will transfer to BIA Bond # PA002769.

NAME (PLEASE PRINT) Dwight E Mallory

TITLE Regulatory Coordinator

SIGNATURE Dwight E Mallory

DATE 4/20/2006

(This space for State use only)

APPROVED 6127106

Earlene Russell

Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

RECEIVED

APR 24 2006

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Injection</u>		5. LEASE DESIGNATION AND SERIAL NUMBER:
2. NAME OF OPERATOR: ExxonMobil Oil Corporation <u>N1855</u>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: <u>Ship Rock</u>
3. ADDRESS OF OPERATOR: P.O. Box 4358 CITY <u>Houston</u> STATE <u>TX</u> ZIP <u>77210-4358</u>		7. UNIT or CA AGREEMENT NAME: <u>UTU68931A</u>
PHONE NUMBER: <u>(281) 654-1936</u>		8. WELL NAME and NUMBER: <u>Ratherford</u>
4. LOCATION OF WELL FOOTAGES AT SURFACE: QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		9. API NUMBER: <u>attached</u>
		10. FIELD AND POOL, OR WILDCAT: <u>Aneth</u>

COUNTY: San Juan

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>6/1/2006</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

ExxonMobil Oil Corporation is transferring operatorship of Greater Aneth field, Ratherford lease to Resolute Natural Resources Company. All change of operator notices should be made effective as of 7:00 AM MST on June 1, 2006.

Attached please find a listing of injection wells included in the transfer.

NAME (PLEASE PRINT) <u>Laurie Kilbride</u>	TITLE <u>Permitting Supervisor</u>
SIGNATURE <u>Laurie Kilbride</u>	DATE <u>4/19/2006</u>

(This space for State use only)

APPROVED 6/27/06
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician
(See Instructions on Reverse Side)

RECEIVED
APR 21 2006

GREATER ANETH FIELD UIC WELL LIST
Ratherford lease, San Juan County, Utah

Reg Lease Name	Well ID	API Num	Status	Reg Lease #	Surface Location							
					Qtr 1	Qtr 2	Sec	TN	RNG	NS Foot	EW Foot	
RATHERFORD UNIT	1W24	430371583900S1	Shut-in	14-20-603-246A	NE	SE	1	41S	23E	0651FSL	3300FEL	
RATHERFORD UNIT	2W44	430371638600S1	Active	14-20-603-246A	SE	SE	2	41S	23E	0810FSL	0510FEL	
RATHERFORD UNIT	11W42	430371584100S1	Active	14-20-603-246A	SE	NE	11	41S	23E	3290FSL	4617FWL	
RATHERFORD UNIT	11W44	430371584200S1	Shut-in	14-20-603-246A	SE	SE	11	41S	23E	0660FSL	0558FEL	
RATHERFORD UNIT	12W11	430371584300S1	Active	14-20-603-246A	NW	NW	12	41S	23E	0678FNL	4620FEL	
RATHERFORD UNIT	12W13	430371640400S1	Active	14-20-603-246A	NW	SW	12	41S	23E	1980FSL	4620FEL	
RATHERFORD UNIT	12W22	430371584501S1	Active	14-20-603-246A	SE	NW	12	41S	23E	1920FNL	2080FWL	
RATHERFORD UNIT	12W24	430373115101S1	Active	14-20-603-246A	SE	SW	12	41S	23E	0775FSL	1980FWL	
RATHERFORD UNIT	12W31	430371584700S1	Active	14-20-603-246A	NW	NE	12	41S	23E	0661FNL	1981FEL	
RATHERFORD UNIT	12W33	430371584800S1	Active	14-20-603-246A	NW	SE	12	41S	23E	1958FSL	3300FEL	
RATHERFORD UNIT	12W42	430371585000S1	Active	14-20-603-246A	SE	NE	12	41S	23E	3275FSL	0662FEL	
RATHERFORD UNIT	12W44A	430373154300S1	Shut-in	14-20-603-246A	SE	SE	12	41S	23E	0772FSL	0807FEL	
RATHERFORD UNIT	13W11	430373115201S1	Active	14-20-603-247A	NW	NW	13	41S	23E	0500FNL	0660FWL	
RATHERFORD UNIT	13W13	430371585100S1	Active	14-20-603-247A	NW	SW	13	41S	23E	1980FSL	4620FEL	
RATHERFORD UNIT	13W22	430371585200S1	Active	14-20-603-247A	SE	NW	13	41S	23E	1988FNL	3300FEL	
RATHERFORD UNIT	13W24	430371585300S1	Active	14-20-603-247A	SE	SW	13	41S	23E	0660FSL	3300FEL	
RATHERFORD UNIT	13W33	430371585501S1	Active	14-20-603-247A	NW	SE	13	41S	23E	1970FSL	1979FEL	
RATHERFORD UNIT	13W42	430371585700S1	Shut-in	14-20-603-247A	SE	NE	13	41S	23E	2139FNL	0585FEL	
RATHERFORD UNIT	13W44	430371640700S1	Active	14-20-603-247A	SE	SE	13	41S	23E	0653FSL	0659FEL	
RATHERFORD UNIT	14-31	430373171700S1	Active	14-20-603-247A	NW	NE	14	41S	23E	0754FNL	1604FEL	
RATHERFORD UNIT	14W42	430371586001S1	Active	14-20-603-247A	SE	NE	14	41S	23E	1976FNL	653FEL	
RATHERFORD UNIT	24W31	430371586200S1	Shut-in	14-20-603-247A	NW	NE	24	41S	24E	0560FNL	1830FEL	
RATHERFORD UNIT	24W42	430371586300S1	Shut-in	14-20-603-247A	SE	NE	24	41S	24E	1980FNL	0660FEL	
RATHERFORD UNIT	17W12	430371572601S1	Active	14-20-603-353	SW	NW	17	41S	24E	1980FNL	510FWL	
RATHERFORD UNIT	17W14	430371572700S1	Active	14-20-603-353	SW	SW	17	41S	24E	0610FSL	0510FWL	
RATHERFORD UNIT	17W21	430371641601S1	Active	14-20-603-353	NE	NW	17	41S	24E	0510FNL	1830FWL	
RATHERFORD UNIT	17W23	430371572801S1	Active	14-20-603-353	NE	SW	17	41S	24E	1880FSL	1980FWL	
RATHERFORD UNIT	17W32	430371572900S1	TA'd	14-20-603-353	SW	NE	17	41S	24E	1830FNL	2030FEL	
RATHERFORD UNIT	17W34	430371573000S1	Active	14-20-603-353	SW	SE	17	41S	24E	0560FSL	1880FEL	
RATHERFORD UNIT	17W41	430371573100S1	Shut-in	14-20-603-353	NE	NE	17	41S	24E	0610FNL	0510FEL	
RATHERFORD UNIT	17W43	430371641701S1	Active	14-20-603-353	NE	SE	17	41S	24E	1980FSL	0660FEL	
RATHERFORD UNIT	18-43B	430373171801S1	Active	14-20-603-353	NE	SE	18	41S	24E	2023FSL	0651FEL	
RATHERFORD UNIT	18W12	430373115301S1	Active	14-20-603-353	SW	NW	18	41S	24E	1980FNL	560FWL	
RATHERFORD UNIT	18W14	430371573501S1	Active	14-20-603-353	SW	SW	18	41S	24E	0810FSL	0600FWL	
RATHERFORD UNIT	18W21	430371641801S1	Active	14-20-603-353	NE	NW	18	41S	24E	660FNL	1882FWL	
RATHERFORD UNIT	18W23	430373024400S1	Shut-in	14-20-603-353	NE	SW	18	41S	24E	2385FSL	2040FWL	
RATHERFORD UNIT	18W32	430371573601S1	Active	14-20-603-353	SW	NE	18	41S	24E	2140FNL	1830FEL	
RATHERFORD UNIT	18W34	430371573701S1	Active	14-20-603-353	SW	SE	18	41S	24E	780FSL	1860FEL	
RATHERFORD UNIT	18W41	430371573800S1	TA'd	14-20-603-353	NE	NE	18	41S	24E	0660FNL	0660FEL	
RATHERFORD UNIT	19-12	430371573901S1	Active	14-20-603-353	SW	NW	19	41S	24E	1980FNL	0600FWL	
RATHERFORD UNIT	19-32	430371574301S1	Active	14-20-603-353	SW	NE	19	41S	24E	2717FNL	2802FEL	
RATHERFORD UNIT	19-34	430371574401S1	Active	14-20-603-353	SW	SE	19	41S	24E	0660FSL	1980FEL	
RATHERFORD UNIT	19W21	430371574100S1	Shut-in	14-20-603-353	NE	NW	19	41S	24E	0660FNL	1860FWL	
RATHERFORD UNIT	19W23	430371574200S1	Shut-in	14-20-603-353	NE	SW	19	41S	24E	2080FSL	1860FWL	
RATHERFORD UNIT	19W43	430371642000S1	Shut-in	14-20-603-353	NE	SE	19	41S	24E	1980FSL	0760FEL	
RATHERFORD UNIT	20-12	430371574601S1	Active	14-20-603-353	SW	NW	20	41S	24E	0709FNL	0748FEL	
RATHERFORD UNIT	20-14	430371574701S1	Active	14-20-603-353	SW	SW	20	41S	24E	0660FSL	0660FWL	
RATHERFORD UNIT	20-32	430371574901S1	Active	14-20-603-353	SW	NE	20	41S	24E	0037FNL	0035FWL	
RATHERFORD UNIT	20-34	430371575001S1	Active	14-20-603-353	SW	SE	20	41S	24E	0774FNL	0617FWL	
RATHERFORD UNIT	20-67	430373159000S1	Active	14-20-603-353	NE	SW	20	41S	24E	2629FSL	1412FWL	
RATHERFORD UNIT	20W21	430371642300S1	Active	14-20-603-353	NE	NW	20	41S	24E	0660FNL	1880FWL	
RATHERFORD UNIT	20W23	430371574800S1	Active	14-20-603-353	NW	SW	20	41S	24E	2080FSL	2120FWL	
RATHERFORD UNIT	20W41	430371575100S1	Active	14-20-603-353	NE	NE	20	41S	24E	0660FNL	0660FEL	
RATHERFORD UNIT	20W43	430371642400S1	TA'd	14-20-603-353	NE	SE	20	41S	24E	2070FSL	0810FEL	
RATHERFORD UNIT	16W12	430371572000S1	Active	14-20-603-355	SW	NW	16	41S	24E	1880FNL	0660FWL	

GREATER ANETH FIELD UIC WELL LIST
Ratherford lease, San Juan County, Utah

Reg Lease Name	Well ID	API Num	Status	Reg Lease #	Surface Location						
					Qtr 1	Qtr 2	Sec	TN	RNG	NS Foot	EW Foot
RATHERFORD UNIT	16W14	430371572100S1	Shut-in	14-20-603-355	SW	SW	16	41S	24E	0660FSL	0660FWL
RATHERFORD UNIT	16W21	430371641400S1	Active	14-20-603-355	NE	NW	16	41S	24E	0660FNL	1880FWL
RATHERFORD UNIT	16W23	430371572201S1	Active	14-20-603-355	NE	SW	16	41S	24E	1980FSL	1980FWL
RATHERFORD UNIT	16W43	430371641501S1	Active	14-20-603-355	NE	SE	16	41S	24E	2140FSL	0820FEL
RATHERFORD UNIT	21-14	430371575301S1	Active	14-20-603-355	SW	SW	21	41S	24E	0660FSL	0460FWL
RATHERFORD UNIT	21-67	430373175301S1	Active	14-20-603-355	NE	SW	21	41S	24E	2560FSL	1325FWL
RATHERFORD UNIT	21W21	430371642501S1	Active	14-20-603-355	NE	NW	21	41S	24E	0660FNL	2030FWL
RATHERFORD UNIT	6W14	430371598400S1	Active	14-20-603-368	NE	SE	6	41S	24E	0660FSL	0660FWL
RATHERFORD UNIT	7W12	430371598500S1	Active	14-20-603-368	NE	SE	7	41S	24E	2140FNL	0585FWL
RATHERFORD UNIT	7W14	430371598600S1	Active	14-20-603-368	NE	SE	7	41S	24E	1065FSL	0660FWL
RATHERFORD UNIT	7W21	430371639400S1	Active	14-20-603-368	NE	NW	7	41S	24E	0710FNL	1820FWL
RATHERFORD UNIT	7W34	430371598900S1	Active	14-20-603-368	SW	SE	7	41S	24E	0710FSL	2003FEL
RATHERFORD UNIT	7W43	430371639500S1	Active	14-20-603-368	NE	SE	7	41S	24E	2110FSL	0660FEL
RATHERFORD UNIT	8W14	430371599200S1	Active	14-20-603-368	SW	NE	8	41S	24E	0745FSL	0575FWL
RATHERFORD UNIT	10W43	430371640300S1	TA'd	14-20-603-4037	NE	SE	10	41S	24E	1980FSL	0550FEL
RATHERFORD UNIT	29-12	430371533701S1	Active	14-20-603-407	SW	NW	29	41S	24E	2870FNL	1422FWL
RATHERFORD UNIT	29-32	430371533901S1	Active	14-20-603-407	SW	NE	29	41S	24E	0694FNL	0685FWL
RATHERFORD UNIT	29W21	430371643200S1	Active	14-20-603-407	NE	NW	29	41S	24E	0667FNL	2122FWL
RATHERFORD UNIT	29W41	430371643300S1	Active	14-20-603-407	NE	NE	29	41S	24E	0557FNL	0591FEL
RATHERFORD UNIT	29W43	430371643400S1	Shut-in	14-20-603-407	NE	SE	29	41S	24E	1980FSL	0660FEL
RATHERFORD UNIT	30W41	430371534300S1	Shut-in	14-20-603-407	NE	NE	30	41S	24E	0660FNL	0660FEL
RATHERFORD UNIT	28-12	430371533601S1	Active	14-20-603-409	SW	SE	28	41S	24E	2121FNL	0623FWL
RATHERFORD UNIT	28W21	430371643100S1	Shut-in	14-20-603-409	NE	NW	28	41S	24E	0660FNL	2022FWL
RATHERFORD UNIT	9W23	430371639800S1	Active	14-20-603-5046	NW	SE	9	41S	24E	1980FSL	1980FWL

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9			
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-603-353			
1. TYPE OF WELL Water Injection Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NAVAJO			
2. NAME OF OPERATOR: RESOLUTE NATURAL RESOURCES		7. UNIT or CA AGREEMENT NAME: RATHERFORD			
3. ADDRESS OF OPERATOR: 1675 Boradway Ste 1950 , Denver, CO, 80202		8. WELL NAME and NUMBER: RATHERFORD U 19W21			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FNL 1860 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 19 Township: 41.0S Range: 24.0E Meridian: S		9. API NUMBER: 43037157410000			
9. FIELD and POOL or WILDCAT: GREATER ANETH		COUNTY: SAN JUAN			
STATE: UTAH					
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
TYPE OF SUBMISSION <input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 5/31/2013 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	TYPE OF ACTION <table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: UIC repair enhance prod </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: UIC repair enhance prod
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <div style="display: flex; justify-content: space-between;"> <div style="width: 70%;"> Resolute proposes to workover the Ratherford Unit 19W-21 for UIC repair. The wellbore will be cleaned out and stimulated to increase oil production in the injection pattern area. Attachment is the current wellbore schematic. </div> <div style="width: 25%; text-align: right;"> Accepted by the Utah Division of Oil, Gas and Mining Date: May 21, 2013 By: </div> </div>					
NAME (PLEASE PRINT) Sherry Glass		PHONE NUMBER 303 573-4886			
SIGNATURE N/A		TITLE Sr Regulatory Technician			
DATE 5/15/2013					

RESOLUTE
 NATURAL RESOURCES

SCHEMATIC

Well Name: **Ratherford U 1921**

API Number 43037157410000	Surface Legal Location W2 NE NW	Section 19	Township 41S	Range 24E	Well Spud Date/Time 10/22/1958	Field Name Ratherford	State/Province Utah
Original KB Elevation (ft) 4,728.00		KB-Ground Distance (ft) 13.00		Total Depth (ftKB) 5,666.0		PBTD (All) (ftKB)	

Wellbore Config: Vertical - <no holes>, 5/15/2013 9:01:08 AM

